

Influence of Pd:Bi ratio on Pd-Bi/Al₂O₃ catalysts: structure, surface and activity in glucose oxidation

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SUPPORTING INFORMATION

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Contents

Figure S1 TEM-image for Bi/Al ₂ O ₃ sample	2
Figure S2 Element mapping for Bi/Al ₂ O ₃ sample.....	2
Figure S3 EDX-profile for Pd1:Bi2/Al ₂ O ₃	3
Table S1 Texture characteristics of obtained Pd _x :Bi _y samples.....	3
Table S2 Element content for Pd1:Bi2/Al ₂ O ₃ measured by EDX.....	3
Table S3 Bader charges of Pd ₁₅ Bi ₉ cluster	3
Table S4 Structures of stable clusters Pd _m Bi _n	5

Figure S1 TEM-image for Bi/Al₂O₃ sample

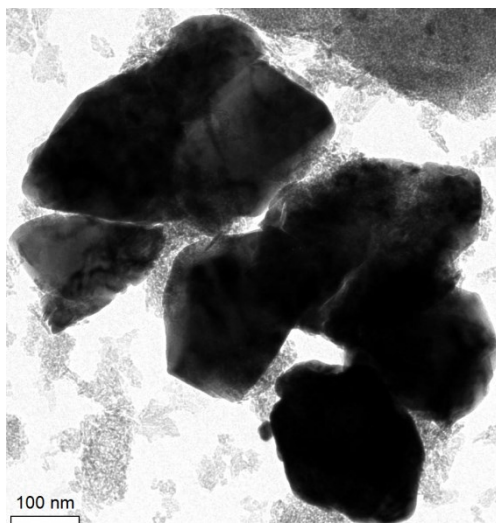


Figure S2 Element mapping for Bi/Al₂O₃ sample

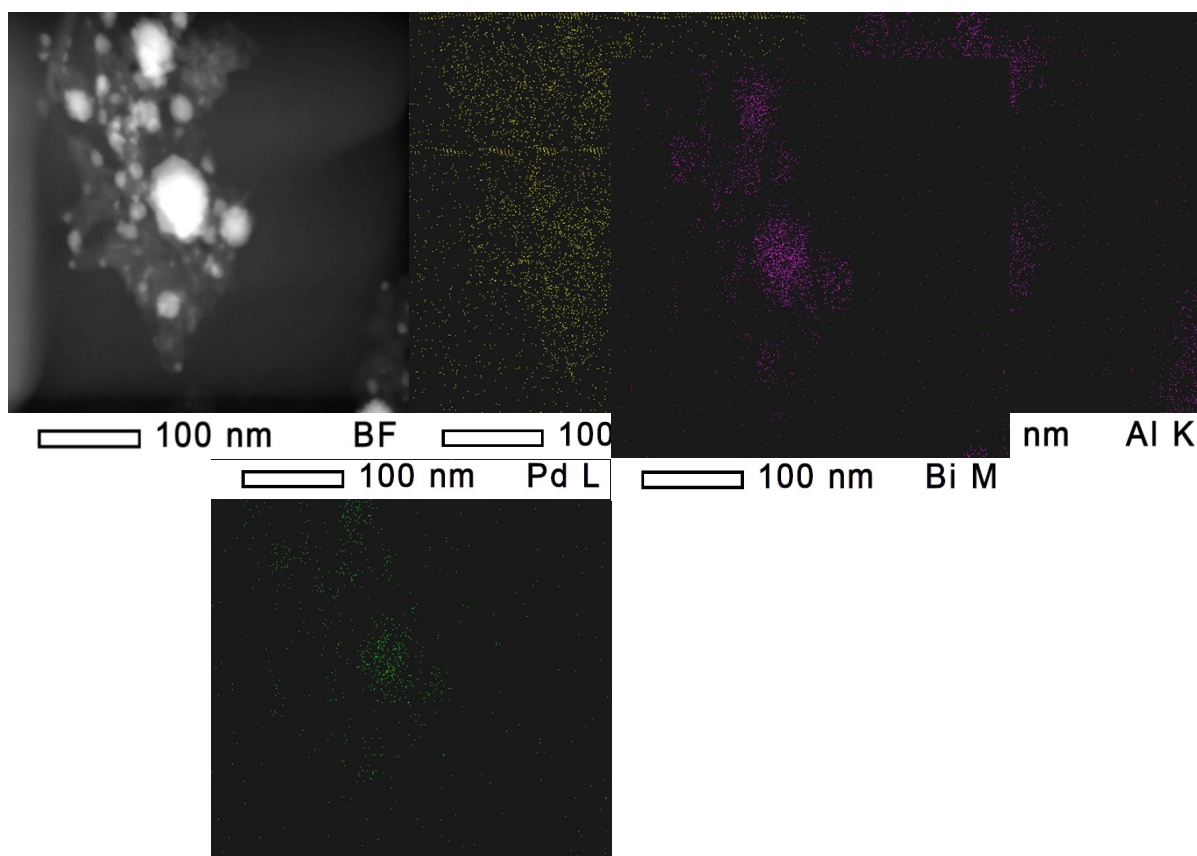


Figure S3 EDX-profile for Pd1:Bi2/Al₂O₃

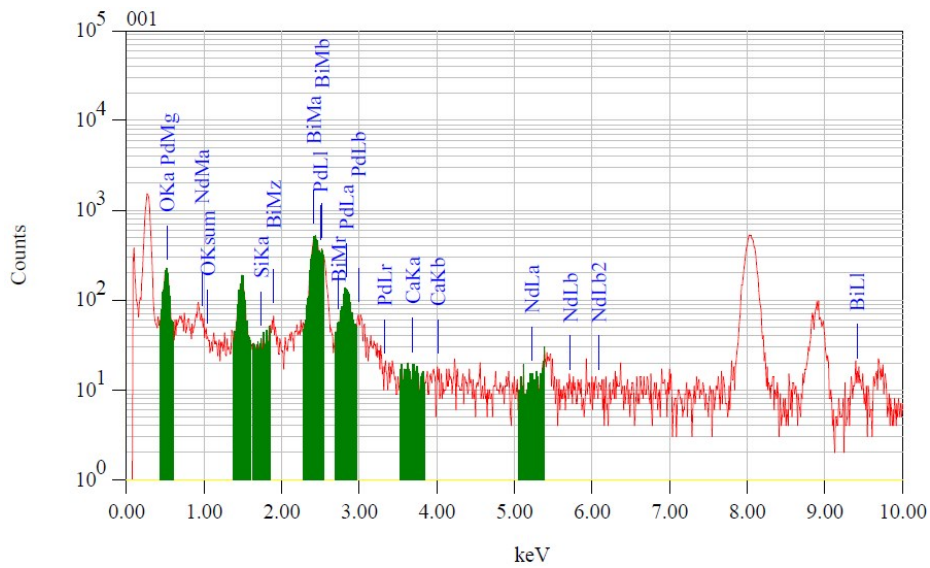


Table S1 Texture characteristics of obtained Pd_x:Bi_y samples

Sample	Specific surface area, m ² /g	Total pore volume, cm ³ /g	Average pore size, nm
Pd3:Bi1	135	0.263	7.77
Pd5:Bi2	137	0.264	7.73
Pd2:Bi1	131	0.263	7.80
Pd1:Bi1	133	0.271	8.13
Pd1:Bi2	129	0.248	7.69

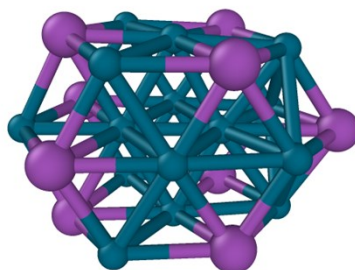
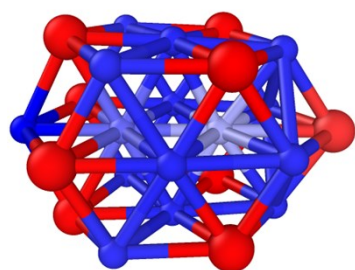
Table S2 Element content for Pd1:Bi2/Al₂O₃ measured by EDX

Element	Content, at.%
O	71.65
Al	18.66
Pd	1.69
Bi	5.64

Table S3 Bader charges of Pd₁₅Bi₉ cluster

	X	Y	Z	Q _{AIM} (q _e)
Pd	-1.30984000	-0.00155000	-0.00132000	-0.07533600
Pd	-0.01636000	-1.79670000	-1.69188000	-0.26664600
Pd	-2.94436000	-1.59316000	-1.59223000	-0.25608800
Pd	-2.94286000	1.59444000	-1.59061000	-0.25601500
Pd	-0.01570000	-1.79398000	1.69014000	-0.26691500

Pd	-2.94300000	-1.59263000	1.59289000	-0.25535300
Pd	-2.94144000	1.59394000	1.59118000	-0.25531900
Pd	1.42725000	-3.47389000	0.00021000	-0.25000100
Pd	-0.01438000	1.79271000	1.68709000	-0.26631700
Pd	1.49684000	-0.00001000	3.22418000	-0.25584600
Pd	1.43017000	3.47407000	0.00012000	-0.25102500
Pd	-0.01499000	1.79538000	-1.68894000	-0.26620800
Pd	1.49569000	0.00003000	-3.22295000	-0.25698700
Pd	1.38023000	-0.00223000	-0.00241000	-0.16986700
Pd	4.09881000	-0.00018000	0.00034000	-0.33006100
Bi	-1.51585000	-3.33539000	0.00030000	0.41688100
Bi	-4.46823000	0.00051000	0.00088000	0.34201300
Bi	-1.40137000	0.00077000	3.24330000	0.42616600
Bi	-1.40207000	0.00073000	-3.24206000	0.42656600
Bi	-1.51398000	3.33788000	0.00013000	0.41744500
Bi	2.82714000	1.86641000	-1.73582000	0.41234000
Bi	2.82633000	-1.86771000	-1.73616000	0.41203200
Bi	2.82702000	1.86586000	1.73585000	0.41241200
Bi	2.82631000	-1.86699000	1.73591000	0.41212800



Bader charge
-0.330061 0.426566

Table S4 Structures of stable clusters Pd_mBi_n

Bi₂				Bi	7.84768727	6.92724755	9.25414167
Bi	3.08132728	4.39000000	5.62877600	Bi₁₁			
Bi	5.69867272	4.39000000	5.62877600	Bi	11.16951288	7.82625447	5.59301283
Bi₃				Bi	8.37163888	8.07475851	4.63187787
Bi	7.47955103	4.87876660	4.48000000	Bi	7.33377568	9.02027634	7.19239133
Bi	4.47999997	4.87876660	4.48000000	Bi	4.50644683	8.13607976	6.79688148
Bi	5.97977550	7.27138845	4.48000000	Bi	5.04900150	5.74488348	8.49110383
Bi₄				Bi	11.03542215	7.40767374	8.51791783
Bi	6.59969280	6.66367451	6.94019406	Bi	11.44638200	5.08147001	6.70482595
Bi	4.49463320	4.60213394	6.66367451	Bi	4.82894615	5.45940046	5.55648028
Bi	6.59969280	4.87865349	4.60213394	Bi	7.65979486	5.22236256	4.66966923
Bi	4.49463320	6.94019406	4.87865349	Bi	8.00915713	6.77763446	8.98385334
Bi₅				Bi	8.58646243	4.40905122	7.30772807
Bi	5.00449317	6.42018515	4.48027411	Bi₁₂			
Bi	6.74915039	4.48225922	5.96047440	Bi	13.47866100	6.76085884	6.77367539
Bi	4.98111279	6.41745087	7.41430530	Bi	11.25959053	6.67218508	4.76883727
Bi	6.75048827	8.35479912	5.96254680	Bi	11.50957953	8.98233109	6.64526241
Bi	8.98752337	6.41782314	5.95813999	Bi	11.41438793	4.62380074	6.95354115
Bi₆				Bi	7.69181265	4.60771795	6.86113142
Bi	4.64468607	4.36371561	6.55937218	Bi	4.86079863	5.25442886	7.55715333
Bi	4.49700472	6.23686836	4.24051782	Bi	9.51045131	5.50829931	9.02124470
Bi	4.58131230	7.32297478	7.01388109	Bi	4.88704818	8.21332002	7.75115491
Bi	7.67225715	4.42476641	6.49829039	Bi	9.65467574	8.43940739	8.87214114
Bi	7.53216263	6.27591639	4.15929568	Bi	4.78217194	6.89307081	5.08710551
Bi	7.60626513	7.38683444	6.92469483	Bi	7.58418430	9.10008493	6.85512404
Bi₇				Bi	7.87710968	6.86019530	4.95910305
Bi	7.93912110	4.37376050	5.74624849	Bi₁₃			
Bi	5.07858239	4.98118076	5.14553142	Bi	12.03296411	8.33333545	8.21074766
Bi	4.95184099	6.69515384	7.52698001	Bi	13.01742787	5.89385470	6.91192128
Bi	8.29412988	6.59716923	7.71824350	Bi	9.28675978	7.82388975	4.54870084
Bi	4.99798162	7.90339354	4.84001762	Bi	12.18581378	8.21011163	5.25555522
Bi	9.51489119	6.72537795	4.93861737	Bi	8.79777632	8.94371561	7.21093648
Bi	7.66140548	8.83745551	5.80330809	Bi	6.60856391	4.75651285	5.38093618
Bi₈				Bi	6.67985554	4.88805948	8.31780628
Bi	4.59287917	6.69326307	7.55490212	Bi	4.43905050	6.85923261	7.87682640
Bi	4.71908131	6.66511366	4.51406678	Bi	5.08439263	7.33848772	4.97147875
Bi	7.09243695	8.47318329	4.58852200	Bi	5.79970616	9.30949765	7.02442311
Bi	6.95100182	8.52398317	7.55179576	Bi	9.52589248	4.91682213	4.74675595
Bi	8.49464400	4.32793977	6.18577643	Bi	10.41955669	4.49074052	7.49224455
Bi	5.53757712	4.33216873	6.09231759	Bi	9.03543246	6.63160649	8.98245242
Bi	9.43167632	6.61708945	4.60251889	Bi₁₄			
Bi	9.33919734	6.73826286	7.63731206	Bi	8.00870496	8.32434283	4.86368223
Bi₉				Bi	7.06623870	4.32190918	6.84524099
Bi	4.65713940	5.51516087	7.53572912	Bi	5.11714977	8.47919473	5.65584726
Bi	5.23030611	8.36444539	6.98896268	Bi	8.05314799	5.45416847	4.30145433
Bi	5.13657183	6.43571589	4.74692206	Bi	4.71194258	6.05496584	7.31692579
Bi	8.06384135	5.38320718	4.56954539	Bi	8.77421354	5.70817883	8.77819014
Bi	7.41488052	4.34044124	7.30881883	Bi	11.71802308	8.09889285	4.84406948
Bi	9.28125809	8.04815253	4.97262900	Bi	11.01818875	5.21994863	4.76138220
Bi	10.76910151	5.87834496	6.36166323	Bi	14.31278544	7.61622101	6.25453907
Bi	8.11302625	8.79352109	7.57440642	Bi	11.14757518	4.41596219	7.59611600
Bi	9.06091934	6.24843947	8.80092276	Bi	12.04000832	9.00830979	7.66722062
Bi₁₀				Bi	13.05801478	6.39994122	8.65552662
Bi	10.63776511	6.87477723	8.13922198	Bi	5.81757642	8.51320368	8.56483606
Bi	6.95951636	9.18602314	7.64902459	Bi	8.72799352	8.45524573	7.73588538
Bi	10.54037137	8.28506781	5.53431005				
Bi	10.53625854	5.38156874	5.59324111				
Bi	6.85578329	4.60826281	7.79265159				
Bi	7.47546043	8.27188163	4.90309006				
Bi	7.46987873	5.29967993	5.00189757				
Bi	4.47949355	5.45895696	6.28781696				
Bi	4.50667536	8.31311418	6.28323270				

Bi₁₅			
Bi	7.29671691	5.42686416	8.84293789
Bi	7.01146315	4.36549709	6.10983002
Bi	11.06098874	4.49997592	6.23044550
Bi	4.55330046	5.19466133	7.53327792
Bi	10.41964165	6.63068670	4.34335981
Bi	13.91194679	5.43543668	6.01775481
Bi	7.39840477	6.54708773	4.20110071
Bi	6.75984517	8.92629319	5.78131972
Bi	4.27198636	8.08778449	7.09664628
Bi	7.22823742	8.38510053	8.63793165
Bi	10.85123896	9.04970765	5.94237532
Bi	13.70587649	8.37956157	6.41629590
Bi	13.73507087	6.56147006	8.77851841
Bi	10.32754278	8.46604514	8.75474637
Bi	10.84256055	5.61391568	8.97061588

PdBi			
Pd	4.48000044	4.48000000	4.48000000
Bi	6.89465856	4.48000000	4.48000000

PdBi₂			
Pd	5.82048451	7.07046179	4.48000000
Bi	4.46530122	4.85843216	4.48000000
Bi	7.18331927	4.86257405	4.48000000

PdBi₃			
Pd	6.15987504	5.31193551	3.99255779
Bi	6.19741784	7.47241373	5.61100902
Bi	4.57378402	5.12577808	6.13552271
Bi	7.68716541	5.05951068	6.15761649

PdBi₄			
Pd	4.57836970	6.24307621	5.82938623
Bi	6.35832725	4.52656563	6.55424869
Bi	6.37208998	7.78440334	6.87507783
Bi	8.64529377	6.23220922	5.83950189
Bi	6.38314931	6.44074311	3.96977949

PdBi₅			
Pd	6.38066238	6.53456073	4.64922950
Bi	6.70775480	8.48464031	6.44299287
Bi	8.36929680	6.46695891	7.91281643
Bi	8.93955251	6.53742412	5.02894922
Bi	6.70817008	4.51962558	6.36722381
Bi	4.42306360	6.50290736	6.54728616

PdBi₆			
Pd	7.01625723	6.47879121	6.67288722
Bi	7.04151540	4.30270042	5.01537942
Bi	6.99530698	7.26320344	4.02356697
Bi	4.53257904	5.45065535	6.32477014
Bi	9.50211042	5.47404928	6.36649382
Bi	5.04945947	8.27744346	6.04973593
Bi	8.97585640	8.29195082	5.98826544

PdBi₇			
Pd	7.00690414	6.84821243	6.54205879
Bi	5.21246846	6.86123925	4.19594099
Bi	8.00543829	4.44949513	6.01335585
Bi	4.84406974	8.40593202	6.69446171
Bi	4.83863295	5.30144909	6.68142523
Bi	8.49682341	6.84434553	4.11244854
Bi	9.66410830	6.88402933	6.95967441
Bi	7.98095871	9.25504750	5.99153007

PdBi₈			
Pd	6.93768434	6.92039191	5.49585712
Bi	9.38748506	6.16831260	6.65770191
Bi	6.18882273	4.49586725	6.67799930
Bi	4.50709944	7.66701806	6.66414446
Bi	7.68152349	9.34062600	6.67939259
Bi	9.23819833	8.14152600	4.49324824
Bi	8.14791964	4.62146985	4.49186610
Bi	4.62773588	5.69117496	4.49845356
Bi	5.71758447	9.23588105	4.49965736

PdBi₉			
Pd	7.90903536	6.91624267	6.40396445
Bi	4.10549105	7.21533431	6.39368925
Bi	7.26810855	4.39483645	7.33737045
Bi	5.98178669	5.44119614	4.87239219
Bi	6.16875586	6.99026115	8.61986255
Bi	7.45754661	9.46704393	7.41496949
Bi	10.23672887	5.34742264	6.78637728
Bi	10.34837419	8.28988753	7.27439133
Bi	9.97219415	7.24488302	4.54974829
Bi	6.28477853	8.54800216	4.80900051

PdBi₁₀			
Pd	8.40429830	6.77296626	6.82118084
Bi	7.00884849	4.61425445	8.10022695
Bi	10.41397118	5.20366908	5.69522907
Bi	7.00457663	5.14329121	5.05406926
Bi	4.44861410	5.24425913	6.75928297
Bi	7.96381825	6.99364846	9.55147873
Bi	10.86128313	6.89400604	8.09679045
Bi	4.38789811	8.16589080	6.56040023
Bi	6.97493575	8.16456530	4.85966892
Bi	6.92515389	9.08714027	7.77575664
Bi	10.42700268	8.10660850	5.43076745

PdBi₁₁			
Pd	7.32994535	7.25970492	5.98601066
Bi	10.47484420	6.35349959	9.17177907
Bi	7.70136352	4.67338992	6.85359477
Bi	7.50314528	7.07225645	8.73495417
Bi	4.32768457	6.32067869	8.41624618
Bi	5.05691110	5.44814440	5.66213864
Bi	4.76596284	8.40946783	6.32592122
Bi	9.49082304	8.82964506	5.21937102
Bi	11.50281209	5.39741485	6.57501046
Bi	9.25895783	5.82433745	4.56722799
Bi	11.62997642	8.29390480	7.29863020
Bi	7.36720768	9.73767610	7.15780796

PdBi₁₂			
Pd	9.54715329	6.80488922	6.19824036
Bi	11.90273757	5.34968804	5.52548179
Bi	11.48600278	8.36412153	5.03552208
Bi	9.54334717	4.12023056	6.92268854
Bi	7.67583617	5.31778187	4.82583986
Bi	10.62477299	8.72315510	7.91606286
Bi	9.29436084	6.21426843	9.00510330
Bi	7.66822394	8.42501211	4.95775616
Bi	5.35225469	5.06081786	6.65078564
Bi	6.13627968	9.13992431	7.42450233
Bi	4.72555498	7.65036158	5.26137136
Bi	6.30738031	6.63261511	8.98998141
Bi	13.22120760	7.35883027	7.28161836

PdBi₁₃

Pd	7.22839762	6.76543489	6.64110966
Bi	6.98227110	9.12727030	8.00056455
Bi	13.26860683	7.12452664	7.93068478
Bi	10.78284440	8.87206003	8.03008066
Bi	8.80227595	6.86090314	8.97178360
Bi	10.67319250	8.62716142	5.12390968
Bi	7.63551377	9.10787617	5.10897753
Bi	4.52308288	7.38507712	6.89950947
Bi	9.10052128	4.60251217	6.96160846
Bi	5.66973244	4.92105381	8.04378073
Bi	5.58958378	5.19583575	5.12889152
Bi	12.95229032	6.27372559	5.11288801
Bi	12.14734211	4.49599473	7.29310215
Bi	8.90582127	6.24541290	4.49756298

PdBi₁₄

Pd	8.35766417	8.21344220	6.62334723
Bi	8.88278267	5.76526933	7.88914981
Bi	10.82112038	4.43181398	6.00891790
Bi	4.39730148	6.81388023	6.10003361
Bi	6.00076583	4.97226458	7.74572842
Bi	6.46295464	8.34451093	4.55597516
Bi	8.94775439	6.32513074	4.67090429
Bi	5.60093851	7.75644891	8.69675041
Bi	10.19127294	9.08422752	4.66158717
Bi	6.30877332	10.14619098	6.86862132
Bi	9.26043189	10.82915537	7.03536931
Bi	13.12622246	6.02162323	6.93883100
Bi	9.47257103	8.67331964	9.06838028
Bi	12.91681785	8.77817157	5.84012799
Bi	12.42778093	8.29506831	8.71627713

PdBi₁₅

Pd	7.88688368	7.01219986	6.98097534
Bi	8.85746889	9.46474928	7.87324203
Bi	11.47160898	10.30580125	6.06223397
Bi	4.41445555	9.02200521	6.09502849
Bi	6.11566825	10.72126103	7.78455804
Bi	6.22492890	7.09658583	4.61605988
Bi	8.84644341	8.69673009	4.95172636
Bi	5.61062920	7.78742161	8.54037092
Bi	9.63693381	5.75831277	5.02404743
Bi	5.88339222	5.12590627	6.87753587
Bi	8.79780480	4.42121471	7.60400266
Bi	13.35380214	9.27507158	8.07402092
Bi	9.30277155	6.74843646	9.39438878
Bi	12.43624766	5.68227384	6.00264877
Bi	12.22783004	6.57395739	8.81450130
Bi	13.52955906	8.38543282	5.21511299

Pd₂

Pd	3.17958920	4.39000000	5.62877600
Pd	5.60041080	4.39000000	5.62877600

Pd₂Bi

Pd	6.82999311	4.76943874	4.48000000
Pd	4.34530880	5.14729072	4.48000000
Bi	5.91784520	7.09085019	4.48000000

Pd₂Bi₂

Pd	5.93083893	4.48603143	4.48587192
Pd	5.84527024	7.25343255	4.51116638
Bi	4.47659518	5.80731646	6.21385515
Bi	7.29722965	5.89125984	6.21600855

Pd₂Bi₃

Pd	6.67474965	6.36152187	3.94709325
Pd	4.50937075	6.37405284	5.73402129
Bi	6.31956006	4.51415156	5.79803432
Bi	8.57967347	6.35289649	5.90533525
Bi	6.34220607	8.20188247	5.79957838

Pd₂Bi₄

Pd	7.83873403	5.35620646	6.17601846
Pd	4.63097464	5.38990257	6.17498743
Bi	6.24366693	5.81109093	4.19379554
Bi	6.24430444	6.21002642	8.02622095
Bi	4.80257648	8.02894366	5.90654347
Bi	7.74014547	7.99443295	5.91175927

Pd₂Bi₅

Pd	6.86058055	6.68469876	7.20159385
Pd	6.89484321	6.68091609	4.48108023
Bi	4.80669542	5.29347559	5.83115863
Bi	4.88281475	8.16470123	5.81954952
Bi	9.47238470	6.62528534	5.82265619
Bi	7.60388453	4.41704402	5.85776381
Bi	7.71665085	8.91610397	5.86333478

Pd₂Bi₆

Pd	6.49528683	6.65733360	7.35158239
Pd	6.52080905	6.64185329	4.60931996
Bi	9.11738720	6.67904331	7.50196638
Bi	7.49144094	4.45139553	5.97914765
Bi	4.51233354	8.08547575	5.97438798
Bi	4.54234667	5.19442398	5.97259414
Bi	9.15218143	6.66384252	4.48909649
Bi	7.44101833	8.86931472	5.95774110

Pd₂Bi₇

Pd	6.37768429	6.84491392	7.44077130
Pd	6.37734974	6.90657430	4.72111419
Bi	8.32545740	5.07898463	4.53629860
Bi	5.62442975	4.59069265	6.03778382
Bi	4.02155794	7.18706510	6.09172335
Bi	8.72723126	8.11353472	7.63248599
Bi	6.25132409	9.28074364	6.12872541
Bi	8.72321673	8.22131118	4.59553109
Bi	8.29881931	4.97418647	7.57033325

Pd₂Bi₈

Pd	7.27333454	6.33109239	7.59717886
Pd	7.26731161	6.35152963	4.84262478
Bi	7.30391476	9.03692510	7.78220738
Bi	7.27262168	9.08792141	4.74803308
Bi	9.76485123	7.27193837	4.66484862
Bi	9.80203631	7.19050744	7.73619283
Bi	4.76335626	7.26961532	7.73043323
Bi	4.77463107	7.23984443	4.66523425
Bi	5.60979689	4.68347461	6.24937154
Bi	8.90892519	4.67533013	6.18250799

Pd₂Bi₉

Pd	7.98999565	7.07228259	5.34821537
Pd	6.65571315	7.02474479	7.78692123
Bi	7.49452026	4.65111109	6.81508009
Bi	5.90776698	5.49372453	4.37589413
Bi	9.32066642	6.95963471	8.26069395
Bi	10.30199079	5.59097560	5.66098951
Bi	10.31345217	8.50557457	5.79944854
Bi	4.39863652	8.44860501	7.12357120
Bi	4.48096332	5.46653801	7.08593369
Bi	5.79704159	8.56749863	4.41632381
Bi	7.43785415	9.41384547	6.81544648

Pd₂Bi₁₀

Pd	6.94125527	7.09326984	7.37372447
Pd	6.94175507	7.13948716	4.72744455
Bi	9.31275687	8.63918014	4.53101850
Bi	9.35753048	5.67591969	4.52990478
Bi	9.36187595	8.54862437	7.58398726
Bi	6.95177880	9.70224969	6.14373133
Bi	9.28639251	5.58270219	7.57845499
Bi	4.54313940	8.55208320	7.60564425
Bi	4.58062428	5.58277336	7.56214870
Bi	6.93223113	4.52730469	5.93414645
Bi	4.57044783	8.66034588	4.55457607
Bi	4.51994042	5.69916357	4.50904677

Pd₂Bi₁₁

Pd	9.35536281	6.98442060	6.53323981
Pd	6.74864976	7.04084489	6.36519756
Bi	8.13265891	4.57273822	7.40958080
Bi	7.81291287	7.36785885	8.89845098
Bi	10.06044465	9.46220721	5.44969070
Bi	11.55649348	8.08233736	7.75044388
Bi	11.15354772	4.97775294	7.42392974
Bi	7.42280838	9.61867168	6.92008020
Bi	11.68362044	6.80167998	5.07936413
Bi	4.48630739	8.62649084	6.09483830
Bi	7.95836591	5.42545764	4.59250362
Bi	4.71286063	6.44408298	8.12407058
Bi	4.70592732	5.78339133	5.16181440

Pd₂Bi₁₂

Pd	9.26377313	7.00466791	6.68689961
Pd	6.60440715	6.84224070	6.69086366
Bi	7.78137324	8.86852247	5.11477820
Bi	8.15252621	5.70142018	4.45367886
Bi	11.11514605	8.58799782	5.32650676
Bi	4.54981776	8.00941573	5.19029606
Bi	11.13784321	5.55418898	5.12803634
Bi	6.83588287	4.05480353	6.62829593
Bi	11.06218603	8.39729415	8.32099950
Bi	11.07148288	5.36468827	8.18986439
Bi	4.11469279	5.58227187	6.87428140
Bi	4.61120907	8.24031484	8.14011287
Bi	7.79268975	8.94645213	8.15385313
Bi	8.11040183	5.63556159	8.84600867

Pd₂Bi₁₃

Pd	7.00557883	7.87753355	6.73918997
Pd	9.90767862	7.79887719	6.79343578
Bi	6.55335653	10.31379689	5.26809131
Bi	8.45592023	8.17439170	4.40517849
Bi	6.03795047	5.51445481	5.55016148
Bi	4.44703757	8.11132346	5.71564923
Bi	10.77972041	5.26192735	5.87042934
Bi	5.09087689	6.46695228	8.16561563
Bi	8.31114900	5.61396425	7.71628200
Bi	11.92745921	6.60546382	8.20489477
Bi	10.41040013	10.33730631	8.02713729
Bi	10.74084729	9.99139331	5.09937257
Bi	8.25233569	8.45195559	9.11561813
Bi	12.58340263	7.62793283	5.47866596
Bi	7.53687900	11.14951074	7.98403971

Pd₂Bi₁₄

Pd	7.45446664	7.06270127	6.76430983
Pd	10.08932660	6.71534306	6.95746450
Bi	8.75913155	8.65057619	8.76088625
Bi	11.08009409	8.24981728	4.50681888
Bi	5.69274074	9.05039108	7.95624661
Bi	8.66256187	9.38830905	5.83904969
Bi	5.86145280	8.45750234	4.97618515
Bi	5.53127049	5.44812600	5.50720615
Bi	10.74320300	5.29863220	4.59293522
Bi	8.33921700	4.42866566	6.23795340
Bi	11.89977847	7.46909614	8.92898940
Bi	12.14682703	4.84350038	7.18450596
Bi	12.86690899	9.20743706	6.68698759
Bi	14.40592174	6.77750768	7.33868397
Bi	8.27935262	5.59015215	9.05356106
Bi	5.22948562	6.08141046	8.46298437

Pd₂Bi₁₅

Pd	10.30258912	7.46123674	6.96956936
Pd	7.67574087	6.98814767	6.26714998
Bi	12.37663186	8.80543225	8.28704210
Bi	8.97548743	4.98035339	7.81484507
Bi	12.51203894	5.95246035	6.20243646
Bi	9.72581496	10.24035547	8.57305717
Bi	11.57006748	6.03920852	9.12714952
Bi	3.96342510	7.58144095	7.65919173
Bi	5.76668878	5.22606787	7.37435876
Bi	5.83320792	9.80960703	8.48345066
Bi	8.02979609	7.82638420	8.95948267
Bi	12.12010063	8.95013077	5.29393174
Bi	6.66033691	9.63621867	5.66257064
Bi	9.77015521	5.30109331	4.97404790
Bi	5.19965298	6.82307319	5.01535294
Bi	9.30446855	8.35105326	4.38516585
Bi	9.35986316	11.13717477	5.78739296

Pd₃

Pd	4.53573230	6.43487173	4.39000000
Pd	5.29841773	4.16164275	4.39000000
Pd	6.89801247	5.95467752	4.39000000

Pd₃Bi

Pd	5.28351958	7.12949371	5.63093208
Pd	7.04047007	5.30876824	6.19704104
Pd	4.49476830	4.71505024	6.06768061
Bi	5.82308604	5.27314381	3.95761627

Pd₃Bi₂

Pd	8.57018458	6.00665915	5.57156440
Pd	4.38883197	6.00559150	5.57404843
Pd	6.48270295	5.95706751	7.29597332
Bi	6.48005908	4.51768618	5.06048385
Bi	6.47864642	7.50309366	5.11579644

Pd₃Bi₃

Pd	8.60860080	6.40301306	6.28461320
Pd	6.39570979	6.40874064	8.03791022
Pd	6.48933312	6.40943256	4.46091980
Bi	4.41006203	6.40776682	6.20600475
Bi	6.76668055	8.32804417	6.25467724
Bi	6.76104185	4.48313293	6.25393978

Pd₃Bi₄

Pd	7.15762262	7.88804696	6.73988196
Pd	6.97541692	5.65792139	4.41749279
Pd	7.01272911	4.74625518	7.47425703
Bi	5.22962232	7.51044614	5.00662449
Bi	8.81887325	6.02109762	6.16365914
Bi	5.06910189	4.46168503	5.74264114

Bi 5.23929489 6.60842493 7.98242851

Pd₃Bi₅

Pd 6.40810156 6.49647107 7.61961601
Pd 6.41712725 6.48496206 4.51565920
Pd 8.38829366 8.09176115 6.01313631
Bi 5.79872811 8.52964881 6.05473323
Bi 4.12829271 6.01281982 6.04089586
Bi 6.61329675 4.30813568 6.08355906
Bi 8.98091108 5.94864439 4.56462313
Bi 8.97940680 6.02841603 7.57491719

Pd₃Bi₆

Pd 8.71057674 6.45127095 4.35789476
Pd 6.98374050 6.42139945 6.85247109
Pd 5.26060669 6.39298822 4.35775716
Bi 6.95755811 8.36599325 4.76438485
Bi 9.36822418 7.82897230 6.66448806
Bi 9.38409568 4.97144032 6.60925356
Bi 7.01316426 4.47187403 4.71920654
Bi 4.63790171 4.94037754 6.65001724
Bi 4.55540063 7.79793514 6.62411425

Pd₃Bi₇

Pd 7.89811566 5.40000026 7.36081158
Pd 6.86491601 6.99243783 4.94411238
Pd 7.78047498 8.19172118 7.47664176
Bi 5.74029732 6.71230992 8.23137400
Bi 6.10579876 4.48730898 5.64891504
Bi 4.24719251 6.90046151 5.59226344
Bi 9.08225354 5.48083002 4.77904971
Bi 5.98795425 9.38132208 5.93582034
Bi 10.08799399 6.90709143 7.30547949
Bi 9.00246754 8.60817680 4.96636970

Pd₃Bi₈

Pd 5.40499406 6.87802165 7.44383674
Pd 7.21309454 6.86745016 5.33517722
Pd 9.01185134 6.90330789 7.45258761
Bi 4.41175362 6.84805533 4.79850945
Bi 5.62097984 9.18732820 6.05765769
Bi 7.19302296 8.46253407 8.73800147
Bi 5.66443943 4.54852190 6.08262110
Bi 10.01045574 6.88984576 4.79884803
Bi 7.21499788 5.34448089 8.76050370
Bi 8.76006259 9.20537407 6.05800928
Bi 8.80017692 4.57239035 6.09594273

Pd₃Bi₉

Pd 6.67858466 5.22759605 7.00019821
Pd 6.48577433 7.84594117 8.40919895
Pd 6.50019409 7.84297994 5.58589247
Bi 7.75497685 5.66493187 4.52507569
Bi 9.33430836 4.91014093 7.00984238
Bi 9.13778533 8.27672300 8.52674866
Bi 7.19911412 10.11488919 6.99746873
Bi 4.58920825 5.90595638 5.42878627
Bi 4.57328673 5.91020876 8.55457538
Bi 7.73500890 5.67180867 9.48023380
Bi 4.29248393 8.56198351 6.98727866
Bi 9.15085627 8.27244255 5.47875680

Pd₃Bi₁₀

Pd 6.85311305 5.48378528 7.97722378
Pd 6.84478375 8.42077404 8.07563346
Pd 6.83968111 7.04776933 5.56160636
Bi 4.76773992 8.56636398 6.37288577
Bi 4.82118255 6.92678220 9.03043597
Bi 4.76617911 5.46484391 6.27807136
Bi 9.34767274 4.59031176 8.36040745
Bi 9.32703707 9.29639654 8.55153189
Bi 9.34978883 7.09855457 4.58828102
Bi 7.89808831 9.55527125 5.81186577
Bi 7.91198549 4.53575223 5.62683890

Bi 8.00796011 6.87487865 10.00938430

Bi 10.81522146 7.00116377 7.23280197

Pd₃Bi₁₁

Pd 8.50141351 8.32156059 6.27436661
Pd 6.89988191 7.68696169 8.53559336
Pd 7.87074165 5.57380834 6.89649775
Bi 6.11858178 8.98876092 4.88676993
Bi 7.38383427 6.38094888 4.21578940
Bi 10.26046844 6.91089821 4.62779548
Bi 10.63661698 5.21900359 7.04391225
Bi 11.24369551 8.20273149 7.10604991
Bi 4.53377971 7.79430049 7.24997118
Bi 9.14817385 9.17259154 8.99735707
Bi 6.76865676 10.20676283 7.53221058
Bi 5.32136514 5.07860318 6.04321228
Bi 8.82283930 5.93054012 9.43726711
Bi 5.93544819 5.19859714 8.96380804

Pd₃Bi₁₂

Pd 8.31317954 8.51023868 7.64919780
Pd 6.78078375 6.49638835 6.29367354
Pd 9.81855324 6.47140532 6.32891253
Bi 8.28774992 7.38132820 10.32672413
Bi 8.32001385 7.84365219 4.55575970
Bi 10.34371717 4.14861744 7.59939554
Bi 4.47725510 6.83494154 7.61921284
Bi 10.59633795 8.82398808 9.15599364
Bi 6.03141453 8.88414314 9.15199761
Bi 8.19580186 4.49311307 9.66773590
Bi 10.69565114 9.02667879 6.10353695
Bi 5.97063558 9.08428316 6.09529331
Bi 8.30871733 4.49056237 5.29102753
Bi 12.12457011 6.73561606 7.65246861
Bi 6.14666892 4.18163861 7.50967747

Pd₃Bi₁₃

Pd 8.40542429 6.76695830 8.17509931
Pd 9.80738300 8.29056292 6.29355470
Pd 6.91124159 8.23379598 6.31955827
Bi 8.35883519 7.48805593 4.15634444
Bi 6.24181828 10.34100351 7.88330558
Bi 6.83731508 4.49207020 7.69805002
Bi 12.26995947 7.96668240 7.30581878
Bi 6.06831865 6.69863501 9.55490350
Bi 10.74847285 6.59905054 9.53008257
Bi 8.39335431 9.05082792 9.67075853
Bi 5.88911047 5.96702611 5.23740330
Bi 10.88623128 6.05413034 5.22427893
Bi 8.30722390 10.45991419 5.58237238
Bi 4.44667298 7.87597344 7.29692017
Bi 9.91638107 4.47206243 7.61346272
Bi 10.43711433 10.41067478 7.83718279

Pd₃Bi₁₄

Pd 8.27297602 5.89077294 7.12381366
Pd 7.18574903 8.39887841 6.62479748
Pd 10.31417217 7.79536472 7.05476418
Bi 7.59574762 7.04143461 9.50606352
Bi 9.02188493 6.60898936 4.46233713
Bi 4.46870061 7.60198099 6.91720555
Bi 5.78661167 5.09051822 8.08892808
Bi 6.22796503 5.87153775 5.19519161
Bi 5.58519205 9.90755485 8.45600231
Bi 12.16481836 8.44718969 9.10332700
Bi 13.07198181 7.05734330 6.62007663
Bi 8.75507317 9.80698977 8.44961779
Bi 10.34826178 5.86141964 9.16670294
Bi 12.08867850 9.84732360 6.46383369
Bi 10.73338557 4.93354121 6.30097872
Bi 9.29859086 9.50598754 5.00553304
Bi 7.14441298 11.23720080 6.32587691

Pd₃Bi₁₅

Pd	8.88449324	6.71563882	7.54242972
Pd	11.15022515	8.16250352	6.90323204
Pd	6.86350167	8.31657376	6.84887249
Bi	6.25403367	5.68673823	7.99725282
Bi	9.07188352	9.58237618	8.26817427
Bi	4.59577357	9.66498574	7.83179558
Bi	6.67695662	8.12967537	9.61958225
Bi	11.31060389	5.29045339	7.34361675
Bi	10.79443539	7.49588606	9.59971903
Bi	13.12453100	9.33867084	8.55057131
Bi	7.27995049	6.06643455	5.03810681
Bi	13.56917828	8.80047961	5.61886937
Bi	11.63306983	6.57869630	4.66401627
Bi	9.09979424	8.47292770	5.03827373
Bi	4.84840876	8.60435128	5.03229251
Bi	6.47271561	10.88046754	5.86660315
Bi	11.65963177	10.92098730	6.51370161
Bi	8.56422131	4.02322366	6.91121627

Pd₄

Pd	4.40982268	5.89961237	6.49082460
Pd	6.41368183	4.40394545	6.02071461
Pd	6.21079087	6.60703879	4.85652189
Pd	4.59817662	4.74377821	4.28752173

Pd₄Bi

Pd	6.46396366	4.71379127	4.79349351
Pd	4.34979087	6.06426853	5.40967913
Pd	8.55793644	6.07366387	5.41620970
Pd	6.44939126	7.42100935	4.78629454
Bi	6.44728736	6.07397948	6.98765561

Pd₄Bi₂

Pd	6.47553050	8.48172751	6.17887050
Pd	6.47553050	4.45223049	6.17887050
Pd	4.46026770	6.46697900	6.17835147
Pd	8.49079330	6.46697900	6.17938953
Bi	6.47616510	6.46697900	4.51130457
Bi	6.47489590	6.46697900	7.84643643

Pd₄Bi₃

Pd	4.97950402	7.45396983	6.66944994
Pd	4.97758211	4.87130753	6.66974714
Pd	7.54931301	4.67957656	5.65188900
Pd	7.54634894	7.64473956	5.65494768
Bi	5.71149422	6.16122147	4.48561695
Bi	9.58511551	6.16342740	6.30254500
Bi	7.02162716	6.15846097	7.90737179

Pd₄Bi₄

Pd	4.67899375	5.82438818	4.46154356
Pd	7.19605225	4.46154356	6.66296382
Pd	4.67899375	6.66296382	8.02580844
Pd	7.19605225	8.02580844	5.82438818
Bi	4.59830281	8.03973184	5.82418838
Bi	7.27674319	5.82418838	4.44762016
Bi	4.59830281	4.44762016	6.66316362
Bi	7.27674319	6.66316362	8.03973184

Pd₄Bi₅

Pd	8.41784333	8.54813537	6.41630326
Pd	6.35298732	6.68652428	4.93515830
Pd	6.35379951	6.67746314	7.91357346
Pd	8.41862752	4.81685438	6.43253129
Bi	5.83913638	8.85032058	6.42961461
Bi	8.96230549	6.67631379	4.68849996
Bi	8.96336974	6.68894326	8.15956366
Bi	5.84014461	4.51373366	6.41952831
Bi	3.86661810	6.68206053	6.42480916

Pd₄Bi₆

Pd	8.01419720	6.96676486	4.57859837
Pd	9.15206478	6.15744387	7.35224593
Pd	6.74052123	4.70462048	4.72374569
Pd	6.21250903	7.19467035	7.27936140
Bi	9.46922418	4.59498560	5.16039593
Bi	10.63113026	7.25202695	5.15282945
Bi	6.97401635	4.68932109	7.34559447
Bi	4.55420198	5.89872049	5.53527087
Bi	8.35841508	8.57593332	6.72863919
Bi	5.77280491	8.41112009	4.79817871

Pd₄Bi₇

Pd	7.04525864	8.14662089	7.47195073
Pd	6.08807851	5.58434167	7.32643724
Pd	7.13531414	7.01770339	4.92188753
Pd	9.91572388	7.79773994	7.22041160
Bi	5.33393181	9.01473060	5.32787674
Bi	4.62269120	6.02393532	5.07364526
Bi	7.55393889	4.36250719	5.47322590
Bi	9.74348306	6.36370429	5.01191073
Bi	8.53733861	9.31709690	5.55991210
Bi	8.44779919	6.00503743	8.31890445
Bi	4.42157873	7.58678833	7.81470122

Pd₄Bi₈

Pd	7.14353968	6.01643624	5.35359053
Pd	5.75052041	8.49853228	6.67175792
Pd	7.14861722	5.98378992	8.00029773
Pd	8.56723873	8.48338136	6.72233688
Bi	7.19653202	8.59130800	4.46321903
Bi	9.77427704	6.66677424	5.08543115
Bi	9.77311850	6.63191898	8.29366640
Bi	8.84328522	4.27192478	6.66105132
Bi	7.12959432	8.54744078	8.93214558
Bi	4.52385848	6.68181676	5.07790579
Bi	5.43386791	4.28055728	6.65361953
Bi	4.53314108	6.65700338	8.28416279

Pd₄Bi₉

Pd	8.20353448	7.11656023	5.51064826
Pd	5.75067675	6.10706201	6.90097779
Pd	8.19498949	7.12303715	8.28507018
Pd	6.12316058	8.78371212	6.89527881
Bi	5.67302381	7.48912802	4.49108340
Bi	7.20597178	4.57274495	5.27169141
Bi	9.66677031	5.22724728	6.90526927
Bi	10.17105411	8.46857975	6.90326842
Bi	7.99544818	9.84707330	8.50070676
Bi	8.00147571	9.84050925	5.29149294
Bi	5.66636332	7.50250299	9.30459365
Bi	3.64676817	7.73764692	6.89603776
Bi	7.20654720	4.57868454	8.53721885

Pd₄Bi₁₀

Pd	7.45678114	7.21853468	8.08615294
Pd	5.69964654	7.03120398	5.81270823
Pd	8.56369801	5.80346812	5.85211719
Pd	8.25106792	8.85994892	5.86325191
Bi	7.17088055	10.13972670	8.01710442
Bi	6.31903525	4.49003060	5.19952981
Bi	7.79687656	4.27662119	7.97998868
Bi	10.28201477	6.00391037	7.93689467
Bi	10.50169226	7.55272061	5.20849061
Bi	9.94364626	8.92790376	7.98680207
Bi	7.51108108	7.24647616	3.75629778
Bi	5.08635456	5.43507372	7.93187079
Bi	4.76153100	8.44303597	7.94201133
Bi	5.77175613	9.65165321	5.21611259

Bi 11.76363617 9.63221726 6.75464427

Pd₄Bi₁₁

Pd 7.34286968 8.87430546 5.70414109
Pd 5.42015506 7.07710203 6.73335754
Pd 8.07289873 6.02401893 6.36119391
Pd 7.63196046 7.95981613 8.34640749
Bi 10.81823086 6.12319571 6.64515715
Bi 6.08548046 5.42923011 8.77700284
Bi 9.37364931 7.54868633 4.35371602
Bi 4.73648041 9.61827477 6.11460044
Bi 9.06306585 5.69581583 9.02887562
Bi 7.04228807 10.61910392 7.77913056
Bi 9.71566712 10.01762478 6.10376542
Bi 5.04402571 8.53405073 8.99313663
Bi 10.34972361 8.45740658 8.59514309
Bi 6.33113468 6.81254001 4.16899550
Bi 5.77507749 4.47603359 5.94674053

Pd₄Bi₁₂

Pd 7.29591237 8.73130706 7.00036090
Pd 9.95580192 7.33727726 8.39680780
Pd 7.13468993 5.92779393 7.01488723
Pd 9.75374074 7.35524992 5.65009849
Bi 9.17912828 9.9998495 5.48193204
Bi 7.30779360 7.32043895 4.47446023
Bi 9.25302924 9.94188319 8.53821891
Bi 5.01178092 8.96610064 8.53613171
Bi 4.73570654 5.93885743 5.56006886
Bi 4.91831841 8.96306591 5.54345533
Bi 11.65239745 8.94388526 6.90977095
Bi 4.83163830 5.94283498 8.54240731
Bi 9.13723129 4.74812487 8.52152133
Bi 9.07027307 4.72963661 5.46691543
Bi 11.57588293 5.68139179 6.90411170
Bi 7.45910699 7.32566870 9.52309576

Pd₄Bi₁₃

Pd 9.27384568 9.12202891 6.98187075
Pd 8.56334908 6.54928925 5.71313373
Pd 8.63740138 6.76449765 8.51972305
Pd 6.54860343 8.06080052 7.07372328
Bi 10.66048095 8.34711723 9.44862132
Bi 7.80430441 9.48543319 9.40051687
Bi 7.06818233 10.76683277 6.80057800
Bi 7.64947724 8.99867685 4.47511828
Bi 10.58074565 8.11349272 4.67345333
Bi 12.03661653 9.38003385 7.00813663
Bi 13.07674459 6.55339999 7.10136560
Bi 7.09995863 4.84076146 7.32234805
Bi 10.83223584 5.12818434 5.67995727
Bi 4.40191856 6.27425838 7.30827147
Bi 10.84659928 5.26600620 8.69235983
Bi 6.01145574 6.46595336 4.77360707
Bi 6.18099287 6.94241043 9.64306829

Pd₄Bi₁₄

Pd 8.93636022 9.94446948 6.93013866
Pd 5.96962097 9.41836758 7.04961194
Pd 7.37025294 6.97219654 6.93999994
Pd 10.07753327 7.49296011 7.05559614
Bi 4.45001798 7.15425390 7.19484818
Bi 8.98906178 8.51596946 4.66441672
Bi 7.24230829 11.42969510 8.43408321
Bi 6.29668794 8.55294169 9.53174838
Bi 7.11561963 11.25221571 5.39514930
Bi 5.96583650 8.30581067 4.61487148
Bi 9.26932699 8.86015656 9.35982204
Bi 9.21160151 5.29550417 5.62906689
Bi 6.14395423 5.08656511 8.64024311
Bi 9.23662195 5.44260107 8.61647488
Bi 12.31853121 6.94764343 5.52823453
Bi 12.44483978 7.26749919 8.44751254
Bi 5.93258610 4.99541763 5.64029078

Pd₄Bi₁₅

Pd 7.85313275 9.96014489 6.39918335
Pd 7.85142247 9.86263974 9.95930087
Pd 7.84936350 6.30175025 9.86205922
Pd 7.85087452 6.39971073 6.30119369
Bi 8.92537531 4.48120415 8.02858260
Bi 8.92602289 8.02843381 11.77988240
Bi 8.92934381 11.77995922 8.23303397
Bi 8.92909474 8.23268077 4.48166913
Bi 10.58824378 10.33009857 6.05202416
Bi 10.58636746 10.20945302 10.33164856
Bi 10.58424207 5.92937358 10.21090956
Bi 10.58585272 6.04992156 5.93110629
Bi 5.89071715 5.62981680 8.06112115
Bi 5.89119869 8.06388432 10.63176426
Bi 5.89339049 10.63389965 8.19781233
Bi 5.89310822 8.20116559 5.62786846
Bi 4.13373377 8.13268757 8.12915778
Bi 11.78013915 8.12880103 8.13188965
Bi 8.80213591 8.13054103 8.13068633

Pd₅

Pd 8.54958318 5.63922718 5.59004893
Pd 6.47839585 6.98110163 4.96310258
Pd 6.48229771 5.50907166 7.07167710
Pd 4.41453260 5.63646559 5.59108913
Pd 6.48267363 4.41364393 4.74629476

Pd₅Bi

Pd 6.15829828 6.10477145 7.84385944
Pd 7.64035222 7.35625700 6.17246666
Pd 7.37859939 4.62611378 6.14350576
Pd 4.62260879 4.91569057 6.17400648
Pd 4.91286242 7.61257416 6.16394223
Bi 6.14176290 6.12202580 4.45787274

Pd₅Bi₂

Pd 4.12588776 6.07282770 6.28224197
Pd 8.52838694 4.72427576 6.61712495
Pd 6.00475136 7.66118070 5.53179471
Pd 8.43847672 7.51001343 6.67248872
Pd 6.05814487 4.50344677 5.51754749
Bi 7.83443389 6.13110862 4.51206766
Bi 6.41663446 6.04469251 7.63283199

Pd₅Bi₃

Pd 6.47214900 5.71045867 4.40057697
Pd 4.37089687 7.01519292 5.64757800
Pd 6.16208347 6.78032554 7.61587739
Pd 7.73416602 4.73144344 6.89034007
Pd 8.76663116 7.19013688 7.04145695
Bi 6.85579933 8.10922869 5.45046063
Bi 5.17648346 4.62068800 6.40392320
Bi 9.01957469 5.72674587 4.85695886

Pd₅Bi₄

Pd 8.58305967 6.18095196 4.85892708
Pd 6.67710290 8.22052448 6.36619110
Pd 4.23566984 7.09194378 6.32299228
Pd 5.69020326 4.75596672 6.43062476
Pd 8.50105409 6.24265896 7.97208198
Bi 6.02700390 6.49018158 4.46155421
Bi 9.24433488 8.15740248 6.39366847
Bi 8.20978562 4.15384433 6.44845690
Bi 5.93456532 6.59301371 8.30983101

Pd₅Bi₅

Pd	6.76354040	6.27931357	4.58505074
Pd	4.49047225	5.51256417	6.00042530
Pd	9.01474004	5.51024791	6.02374315
Pd	6.75883982	8.61846685	6.01831676
Pd	6.74383308	6.26576614	7.45319505
Bi	6.74695329	4.08832013	6.00837839
Bi	4.57739246	7.76625823	7.50210479
Bi	4.59023801	7.76971916	4.52502350
Bi	8.93913905	7.76566570	4.52809164
Bi	8.91193512	7.75680466	7.51525568

Pd₅Bi₆

Pd	9.28400844	5.14663949	6.46464582
Pd	6.61285279	5.75217994	7.58377131
Pd	7.83841436	6.96977549	5.08124983
Pd	6.92363401	8.54738206	7.36102426
Pd	5.20259370	6.24188273	4.96553933
Bi	8.91040119	7.04249906	8.20466509
Bi	10.50391403	7.08267736	5.15212839
Bi	7.00630062	4.41003724	5.36186452
Bi	9.01439680	9.45803438	5.99879271
Bi	5.99712494	8.83294999	4.76207323
Bi	4.56922813	7.40554373	7.21672690

Pd₅Bi₇

Pd	7.56281088	5.79423536	5.45908280
Pd	4.75398806	5.59594953	5.95615088
Pd	7.32544952	7.11873909	7.87689771
Pd	7.54694658	8.48549345	5.47557173
Pd	4.72269429	8.63362002	5.96672404
Bi	6.52395868	4.48076097	7.56365984
Bi	9.80315591	7.15104336	4.83346330
Bi	5.72572206	7.13514060	4.09235639
Bi	9.54882213	5.58017501	7.43372029
Bi	6.47940959	9.74325116	7.59610581
Bi	9.52813262	8.68007433	7.45391956
Bi	4.63962763	7.10024286	8.13153564

Pd₅Bi₈

Pd	8.61182254	7.29399500	5.31712704
Pd	5.72526726	7.98767038	6.60947747
Pd	6.90629507	5.01087756	6.69942152
Pd	8.61657011	7.28566378	7.97643544
Pd	4.44094145	5.74761382	6.65100443
Bi	7.18384434	9.57925437	5.02557372
Bi	6.15279391	6.37616933	4.51587749
Bi	9.04673089	4.62143796	8.25366315
Bi	6.12997492	6.47060843	8.79358016
Bi	7.15344455	9.55626353	8.26673843
Bi	9.70647514	9.47364670	6.65980996
Bi	10.87891137	6.38116250	6.63513587
Bi	8.99280765	4.62127106	5.05523583

Pd₅Bi₉

Pd	6.27286916	7.84845560	5.86740984
Pd	9.07136462	7.56283200	6.10223101
Pd	7.75323191	5.20770829	6.38333509
Pd	7.30610098	7.29408910	8.41881211
Pd	11.12385980	7.03323883	7.64458906
Bi	8.02613762	9.80650381	5.18000659
Bi	7.79392538	6.58639196	3.93266622
Bi	5.19268214	5.36067378	5.52769623
Bi	10.35741179	5.26024629	5.63433985
Bi	6.15111505	4.77035506	8.52806880
Bi	9.38325464	9.09692480	8.24582920
Bi	6.45125850	9.85437926	7.75143789
Bi	4.54589064	7.20380126	7.89748286
Bi	9.33539825	5.42127295	8.65329125

Pd₅Bi₁₀

Pd	6.53900044	7.30319016	8.52026954
Pd	6.13850777	6.94200418	5.75995701
Pd	9.26071917	5.65904450	6.50872153
Pd	8.51899600	8.21627737	6.11151066
Pd	9.13906239	7.56445988	8.73144965
Bi	4.56802062	8.61218062	7.26872476
Bi	4.85253308	5.43339659	7.63995991
Bi	7.46520434	9.78715495	8.21321617
Bi	6.46019623	9.60906022	5.15987110
Bi	7.94640931	5.01895736	8.80192565
Bi	8.18127957	6.56488100	4.00480559
Bi	11.11126657	7.13322198	5.23220645
Bi	10.68722486	9.26543390	7.34184516
Bi	11.35585220	6.27880092	8.17491370
Bi	7.03147906	4.29575266	5.82748561

Pd₅Bi₁₁

Pd	7.94601917	8.61418222	8.39233308
Pd	5.32145192	7.75459577	7.56323119
Pd	9.52785093	7.14187774	6.58504414
Pd	7.03607962	5.71534470	6.76999248
Pd	7.18605915	8.51914440	5.65689223
Bi	6.74115171	6.30551424	9.43363709
Bi	10.49619382	9.44245217	7.58506217
Bi	7.72318475	10.91139967	6.89291401
Bi	5.69511685	10.02074199	8.97671001
Bi	9.35034180	4.54358966	7.23351637
Bi	8.39988418	6.06028601	4.41630021
Bi	4.53152884	5.15348722	7.44556475
Bi	9.63190800	8.95970602	4.62981610
Bi	4.86872154	9.90988497	6.01769034
Bi	5.08382259	6.73474797	4.96549880
Bi	9.89491711	6.84250860	9.24617302

Pd₅Bi₁₂

Pd	7.63963240	6.10768790	6.62620362
Pd	10.92168602	6.95408061	6.49807732
Pd	8.26375344	8.78289593	5.64901168
Pd	6.42481351	7.96372470	8.13531773
Pd	9.19056121	8.28497227	8.31685483
Bi	6.21493386	10.26669914	6.63408111
Bi	11.74501655	9.17315833	7.79809021
Bi	5.87458580	7.33590993	4.98839547
Bi	9.83045480	4.55347468	7.01723937
Bi	7.50213364	9.97335514	9.50415575
Bi	3.87404785	8.11255923	7.17217753
Bi	8.12163427	5.94192520	9.32764321
Bi	5.13836164	5.49898707	7.45068582
Bi	11.17526012	6.41410007	9.13978992
Bi	9.18805156	10.90052868	7.11514734
Bi	9.24402833	6.45621896	4.42856854
Bi	10.92253365	9.04656915	4.84482644

Pd₅Bi₁₃

Pd	5.83579303	8.94030739	7.01150693
Pd	7.84614227	7.19192895	7.96012734
Pd	10.71741850	7.27875722	6.84943971
Pd	8.85159214	9.48974787	6.72227696
Pd	7.38702708	6.78830333	5.26301216
Bi	4.69046510	6.81776517	5.80935835
Bi	9.73925267	5.37218459	8.56274133
Bi	5.29790504	6.98056818	8.80447430
Bi	6.72964666	9.34512847	4.51624371
Bi	6.70139925	4.82343622	7.03029952
Bi	9.57178091	5.17763893	5.48890820
Bi	9.99626635	8.38935685	9.25557902
Bi	6.91060562	11.46169338	6.64588307
Bi	12.96711387	7.71436144	5.29314629
Bi	9.65039889	8.15249814	4.43613805
Bi	11.60568114	9.97200656	6.74720086
Bi	7.23221677	9.90175745	9.11021480
Bi	13.09680772	7.77040657	8.21937440

Pd₅Bi₁₄

Pd	11.16027962	6.79115291	7.28805992
Pd	9.58369923	8.26370870	5.53334215
Pd	9.75968895	9.09289326	8.20852500
Pd	6.76844976	8.62657295	6.94585183
Pd	8.22976101	6.48476625	7.98592626
Bi	12.32524610	8.71973042	5.75604084
Bi	7.84026651	10.98405417	7.97627413
Bi	12.45882451	8.76633267	8.72889776
Bi	10.30610534	5.59280268	5.03271629
Bi	10.37453238	10.95275087	6.18181984
Bi	7.75254749	10.21170773	4.88503581
Bi	7.47151217	8.50380511	9.73767414
Bi	10.07911858	4.42031646	7.96430891
Bi	4.39158849	7.63905361	5.94524264
Bi	7.32729645	7.11727459	4.57838069
Bi	5.49783427	6.21896258	8.31576934
Bi	10.31331181	6.91243162	9.89973288
Bi	7.61850359	4.54300593	6.15019340
Bi	4.52497726	9.07265663	8.53010094

Pd₅Bi₁₅

Pd	5.57760006	8.53640777	7.10676656
Pd	7.56299483	7.17989067	5.59273443
Pd	7.49616366	6.77282694	8.38710745
Pd	10.59626255	7.70177299	6.90768328
Pd	8.37880131	9.41044406	7.59894701
Bi	4.85670104	6.75024334	5.23135895
Bi	9.61069565	5.14161729	8.10772472
Bi	4.75920535	6.37833272	8.43312079
Bi	6.16701360	9.47282845	4.61863138
Bi	6.73585842	4.75137146	6.73583296
Bi	9.72394354	5.57364436	5.16890227
Bi	9.68894246	7.94222281	9.62920184
Bi	6.18112030	11.14283269	7.34426427
Bi	12.93857587	9.18464004	6.21286499
Bi	9.32755021	9.10102962	4.77006398
Bi	10.84231575	10.42058884	8.13033955
Bi	6.48354891	8.99600152	9.65293622
Bi	8.95859897	11.76466419	6.20386664
Bi	12.81668912	7.21338275	8.47002383
Bi	12.70330411	6.27954945	5.64087491

Pd₆

Pd	4.49519234	5.44426548	6.52930104
Pd	7.78195383	6.83299846	5.86661158
Pd	5.68693849	6.37546487	4.45820433
Pd	6.59026906	5.90172540	7.93796861
Pd	6.76196547	4.47959849	5.81081724
Pd	5.51522981	7.79748129	6.58505819

Pd₆Bi

Pd	4.25460473	6.36266241	6.05386702
Pd	5.69233893	8.50122466	5.88460917
Pd	8.23784171	7.86182180	5.99686838
Pd	6.49372668	6.51866364	7.35208595
Pd	8.37544981	5.27327195	6.02416535
Pd	5.91319576	4.38119013	5.90569199
Bi	6.53816588	6.46541895	4.44835783

Pd₆Bi₂

Pd	4.47875968	6.22497119	4.92992806
Pd	4.54994481	6.27398622	7.50153102
Pd	6.05168488	7.99908773	6.14645906
Pd	8.67009062	7.60447987	6.14200676
Pd	8.67405706	4.89862776	6.18892912
Pd	6.05650786	4.50004469	6.20932316
Bi	7.14922992	6.28286168	7.89377925
Bi	7.07992918	6.21852086	4.45811957

Pd₆Bi₃

Pd	9.18578044	8.03863058	6.25419958
Pd	5.53082322	6.24488371	4.53388150
Pd	6.81177601	7.45525959	7.53278980
Pd	8.17797430	6.25219146	4.53420440
Pd	6.85926075	4.17733540	5.59713298
Pd	4.46974719	8.02607454	6.22608332
Bi	6.84332765	8.50350973	5.04825001
Bi	5.10428116	5.53067744	7.03034470
Bi	8.56118927	5.56211405	7.05986020

Pd₆Bi₄

Pd	8.60545257	6.09246551	4.99501669
Pd	6.66160291	5.00479850	6.87099600
Pd	8.59639211	6.86419423	7.95164728
Pd	6.64613606	7.96250836	6.09501785
Pd	4.40586908	6.47621601	6.47931969
Pd	10.84272991	6.50259391	6.49478145
Bi	6.05859432	7.01719644	8.49812263
Bi	9.18373556	8.50369630	5.94576586
Bi	6.06185852	5.95429925	4.46834484
Bi	9.20411397	4.46447946	7.00302362

Pd₆Bi₅

Pd	9.42345918	8.00280196	5.74466324
Pd	9.41679174	4.98795609	5.71769281
Pd	9.42795176	6.46728274	8.11922555
Pd	6.44957422	8.02358711	5.75748139
Pd	6.44095417	4.97097247	5.72924222
Pd	6.46227410	6.47212223	8.12788434
Bi	7.91656994	6.50865843	4.19574676
Bi	11.42561227	6.48683532	6.44372329
Bi	7.94925627	8.62608402	7.84227503
Bi	7.94028697	4.31838101	7.80039369
Bi	4.45900977	6.49506115	6.46029533

Pd₆Bi₆

Pd	7.28884314	7.53396970	4.92533428
Pd	9.86115385	6.75254276	7.37952928
Pd	5.88876865	4.88068401	6.89201070
Pd	7.12096231	7.16115315	7.69850493
Pd	4.48441457	7.01917721	5.39654225
Pd	8.41041352	5.08101361	5.44278732
Bi	8.70396803	9.14110768	6.92802837
Bi	8.30035033	4.79491895	8.05280121
Bi	5.67573663	9.22035007	6.23123469
Bi	6.01652468	5.28348599	4.28709150
Bi	4.49436678	6.84077404	7.99717786
Bi	9.92089587	7.15041231	4.80909428

Pd₆Bi₇			Pd	9.05725395	7.16163577	6.04920225
Pd	9.55383005	6.70716940	Bi	11.69633139	7.12176857	5.37707998
Pd	6.99861432	6.54163690	Bi	9.25354087	9.80839449	5.49709921
Pd	5.75851882	4.72721960	Bi	8.60255181	9.91569494	8.53725704
Pd	7.17867365	6.98372661	Bi	12.95687917	7.20356035	8.13615580
Pd	4.48276203	7.05858710	Bi	10.39074317	7.28719369	9.89308916
Pd	5.82205844	8.87451812	Bi	5.61111030	8.76980444	8.90647431
Bi	8.28348626	8.81242795	Bi	5.59684177	5.72273362	8.99460958
Bi	4.45855779	6.69929804	Bi	4.72579063	7.17646907	6.37334870
Bi	8.22564010	4.45922181	Bi	8.58554991	4.53083255	8.68580175
Bi	9.20037247	8.62940507	Bi	7.09825275	7.10017324	4.31524047
Bi	5.99789675	9.12693833	Bi	9.24773031	4.49162718	5.64507690
Bi	5.97951219	5.18916660	Pd₆Bi₁₂			
Bi	9.21160514	5.63798550	Pd	6.28440048	9.31934869	7.05001142
Pd₆Bi₈			Pd	7.13840280	7.12100781	8.66123782
Pd	6.61119207	8.62170519	Pd	6.93505702	6.66188554	5.93358273
Pd	9.27420354	7.55207773	Pd	9.65556041	8.40841055	5.81945890
Pd	7.26977534	6.06007034	Pd	10.37618055	6.01258156	7.32806672
Pd	6.73497188	7.15745958	Pd	9.56910931	8.49085333	8.58142659
Pd	6.86944143	4.56147098	Bi	8.56228957	10.70902590	6.89134651
Pd	4.13345519	8.11943751	Bi	7.33064033	8.92919222	4.50893557
Bi	9.01499154	7.74042811	Bi	7.36058429	9.66667973	9.58806950
Bi	9.54462254	4.96082257	Bi	4.47463970	7.86613943	5.71250228
Bi	8.44626537	8.89448799	Bi	5.07731596	5.58119603	7.68517882
Bi	8.75918473	10.12335370	Bi	4.57219904	8.31328900	8.87414998
Bi	8.70168424	5.67149242	Bi	9.28539116	5.93816663	4.76923248
Bi	5.91296766	9.83517994	Bi	8.09279564	4.61673380	7.39950655
Bi	4.52067117	5.64435498	Bi	12.13689520	7.23814071	5.71637605
Bi	4.78213894	6.69599245	Bi	9.32644335	6.12790320	9.88360754
Pd₆Bi₉			Bi	11.58239907	9.81925488	7.26736318
Pd	6.91161180	7.27384010	Bi	12.12600346	7.32669263	8.90638786
Pd	5.93062182	8.60567468	Pd₆Bi₁₃			
Pd	7.87791418	6.61754765	Pd	6.40431028	6.88211389	6.55302892
Pd	6.30538030	4.92572633	Pd	6.91897254	8.58226558	8.69909338
Pd	8.10793237	9.73560557	Pd	9.98483339	8.59520617	8.70232313
Pd	9.87564586	6.62195298	Pd	8.45244395	8.88093878	6.28914636
Bi	8.23943988	5.37914096	Pd	10.48762780	6.88909622	6.56247893
Bi	5.70636104	9.63953156	Pd	8.45428668	5.96403011	8.48156371
Bi	8.27723455	8.97200044	Bi	6.15946405	8.93380281	4.82674230
Bi	8.91169598	4.21556673	Bi	4.47318142	8.61798410	7.39204630
Bi	4.28017705	6.99573726	Bi	6.61908114	10.80236839	7.20463106
Bi	9.03958189	8.53639614	Bi	5.77555099	6.12010854	9.16245789
Bi	10.69089336	8.99626610	Bi	8.44248645	10.40781999	9.96502095
Bi	10.40486414	6.42919433	Bi	8.45359354	7.48056195	10.75596588
Bi	5.51765079	6.09867825	Bi	10.29307624	10.80792322	7.20442172
Pd₆Bi₁₀			Bi	6.90899814	4.26367670	6.98550147
Pd	6.74601842	9.06248569	Bi	10.02604965	4.26864192	6.99258898
Pd	9.85887147	6.32021884	Bi	8.45107458	6.22242300	4.89298209
Pd	10.56024645	8.80732302	Bi	10.74309085	8.93009441	4.82524705
Pd	7.43935213	7.80109908	Bi	12.42910299	8.62710768	7.38316448
Pd	6.37740002	5.83040019	Bi	11.12756180	6.12865802	9.17078645
Pd	8.65481494	7.17870754	Pd₆Bi₁₄			
Bi	6.91534306	6.91420727	Pd	10.92567733	6.71054838	8.02244803
Bi	9.26293339	9.56074120	Pd	8.77949128	8.27355940	8.88269999
Bi	8.77830913	4.48209284	Pd	6.53222555	6.74186378	8.20433366
Bi	7.68095335	5.00628947	Pd	10.19544577	8.86684922	6.37533429
Bi	9.77747937	8.39742942	Pd	7.25202049	8.78476059	6.43406369
Bi	11.28083199	6.61001470	Pd	8.67904095	6.27451363	6.42733038
Bi	4.92098372	6.57203378	Bi	11.88385386	10.83114214	7.21131469
Bi	4.44114630	7.61864059	Bi	12.97389547	8.08502046	6.92742233
Bi	5.31939744	9.51902225	Bi	6.29452575	9.13755564	9.51999027
Bi	8.37120642	10.41700809	Bi	5.87485807	11.01178128	7.10071868
Pd₆Bi₁₁			Bi	4.53292144	8.29222881	7.11478956
Pd	10.74573746	5.76198216	Bi	7.10438683	4.17707503	7.41670934
Pd	7.90148536	7.23876606	Bi	11.34324720	8.90410920	9.52847885
Pd	10.76810296	8.64698010	Bi	8.78228836	5.66001575	9.56918083
Pd	6.94499492	8.76377617	Bi	10.24719185	4.16409790	7.27446103
Pd	6.94064559	5.59060070	Bi	8.61963785	10.61802076	4.99089147
			Bi	6.11783737	6.28238190	5.41313315
			Bi	11.16517776	6.29285191	5.20585375
			Bi	8.62904305	7.76278396	4.10610898

Bi 8.88504628 10.80966602 8.14881265

Pd₆Bi₁₅

Pd 8.52394821 6.25758345 6.24218191
Pd 7.25918707 8.85757127 6.35874004
Pd 7.22691509 7.13393685 8.66436142
Pd 10.09030223 7.83973886 7.77630799
Pd 10.05143760 10.21189338 6.38614891
Pd 8.31224138 9.93797901 8.80520063
Bi 11.23762644 5.82425215 6.07400794
Bi 4.50258070 6.99532858 8.64844085
Bi 9.38016711 8.27151034 4.61004205
Bi 6.32124286 6.74957395 4.73528682
Bi 6.32503658 4.93015994 7.20662145
Bi 9.29670512 5.26625139 8.65047169
Bi 6.14523078 9.05920291 10.28216684
Bi 12.37778473 6.82663570 8.72971876
Bi 9.12261520 7.93520317 10.45392812
Bi 12.33419903 8.68167666 6.27225904
Bi 7.87948673 11.21454243 5.14003094
Bi 9.03760199 12.35272989 7.73176301
Bi 6.04937595 10.99590211 7.75346479
Bi 11.05507230 10.17666468 8.93779791
Bi 4.51183740 8.71687217 6.18906888

Pd₇

Pd 8.55902543 6.63121760 5.78924343
Pd 7.22435216 4.43980277 5.76029432
Pd 4.71263606 5.03179195 5.77741588
Pd 4.51306268 7.58887673 5.79958819
Pd 6.88348925 8.56351948 5.82745997
Pd 6.37568375 6.49872736 4.37394573
Pd 6.37905143 6.38093820 7.21702899

Pd₇Bi

Pd 4.49837598 4.96681929 5.97183970
Pd 7.11677538 4.46628199 6.07641228
Pd 6.01790716 6.15093385 7.64459950
Pd 8.54081321 6.23377391 7.44135382
Pd 4.59295634 7.62333382 6.11947229
Pd 7.18920583 8.01833841 6.07369974
Pd 8.79106480 6.21600195 4.90673694
Bi 6.17979730 6.28084525 4.42127789

Pd₇Bi₂

Pd 6.72408231 6.47991414 7.07820019
Pd 4.54548023 5.16982465 6.57832610
Pd 4.52087048 7.76864404 6.57134577
Pd 8.90205268 5.17040789 6.57109940
Pd 8.91574866 7.77533187 6.57378595
Pd 5.32035834 6.49395081 4.39666061
Pd 8.11568285 6.49163081 4.39368077
Bi 6.71886735 4.43742915 5.29599755
Bi 6.71960659 8.53699312 5.33335114

Pd₇Bi₃

Pd 8.42798936 7.87982981 7.66927309
Pd 8.43944047 4.89365737 7.73774020
Pd 8.37786704 4.84665853 5.06261230
Pd 6.15747452 4.43197409 6.43983692
Pd 8.36077060 7.78349552 4.99587983
Pd 4.33944635 6.34678632 6.41995238
Pd 6.14647561 8.26554793 6.35601318
Bi 10.09258721 6.35921860 6.33379453
Bi 6.34388695 6.38928973 8.24702174
Bi 6.25109647 6.29833980 4.51127859

Pd₇Bi₄

Pd 4.44981942 7.15871007 6.11474804
Pd 6.77995462 8.18823428 7.06400116
Pd 10.87619189 7.15130105 5.82265271
Pd 8.56422016 8.23039285 4.89986794
Pd 6.58015649 6.16700075 4.80138803
Pd 7.64291089 3.94597106 5.93658840
Pd 8.75564931 6.10976296 7.14208037
Bi 6.19063060 5.61531038 7.44399384
Bi 5.99958465 8.72653617 4.59476537
Bi 9.33815245 8.66371756 7.39649177
Bi 9.12573952 5.64530386 4.47650587

Pd₇Bi₅

Pd 9.12880771 6.84816820 8.12053585
Pd 9.14255575 6.93458508 5.10173581
Pd 8.38867371 4.61047048 6.59123508
Pd 6.42306249 7.82977423 5.22897355
Pd 6.38415647 7.76690119 8.02784654
Pd 5.54848763 5.41030308 6.60115899
Pd 10.92953597 8.19679763 6.66094062
Bi 8.34027500 8.97756966 6.68519465
Bi 7.09177526 5.41294740 4.45736981
Bi 4.22276818 7.65856466 6.59024269
Bi 7.07358483 5.34058434 8.75606295
Bi 10.85039901 5.55096205 6.56998469

Pd₇Bi₆

Pd 7.86908426 7.92579690 4.42284748
Pd 7.84153557 4.03187230 6.90532184
Pd 6.49871410 5.97071214 8.24332246
Pd 6.43677466 5.84708951 5.42693324
Pd 6.52053099 8.32820142 6.74796044
Pd 7.95901649 8.13432281 9.03602317
Pd 4.28561786 6.75287224 6.85161125
Bi 9.08049086 5.67171133 5.20435962
Bi 9.13740631 5.81360615 8.43674045
Bi 5.09645131 4.15848882 6.93647833
Bi 9.16577382 8.54774972 6.68152320
Bi 5.11514556 7.96260981 4.56101680
Bi 5.20328747 8.12115233 9.01998894

Pd₇Bi₇

Pd 4.83402832 7.20244033 7.86775565
Pd 5.58254477 9.33116380 6.03445535
Pd 6.93805600 6.98867103 5.80692531
Pd 8.41513607 8.88009418 7.12672650
Pd 7.40332028 7.06415529 9.01556211
Pd 8.14371915 4.98602562 7.23712185
Pd 5.22853177 4.86535732 6.20197970
Bi 6.22319342 9.35554973 8.56489138
Bi 9.85683572 6.85494084 8.21972694
Bi 5.92337191 4.93253074 8.71079314
Bi 7.34570354 4.61726552 4.67194924
Bi 9.61223607 6.69849249 5.23521676
Bi 7.74942455 9.17471545 4.53986378
Bi 4.21058950 7.15291167 5.30672928

Pd₇Bi₈

Pd 10.02094226 6.00463791 7.02149679
Pd 10.36981015 8.75909448 6.03969661
Pd 8.13213852 9.41291425 7.85863078
Pd 8.12168182 6.76188769 8.84110016
Pd 5.76277782 8.97166600 6.14832006
Pd 7.92302007 7.28854725 5.76678622
Pd 6.11254822 5.76165348 7.06144763
Bi 8.21417382 4.26373752 8.11339265
Bi 3.75095224 7.15538563 6.84919291
Bi 8.10464300 4.57682532 5.20137145
Bi 10.36381933 8.12316297 8.55556878
Bi 8.11814957 9.93545689 5.29041431
Bi 10.20200501 6.70712125 4.43558685

Bi	5.92281824	8.14509564	8.67008113
Bi	5.58476494	6.85392374	4.52590117

Pd₇Bi₉

Pd	8.50144702	7.54243022	6.13105913
Pd	6.05573149	8.76330968	6.88827253
Pd	6.73504320	5.58332469	5.87409606
Pd	9.64706526	8.57160481	8.40522920
Pd	7.38676826	7.12015198	8.66466431
Pd	8.45661285	4.72588450	7.88828168
Pd	10.85329929	6.24591516	7.32118481
Bi	8.30765426	10.27919552	6.34945243
Bi	4.31565118	6.81276913	6.08793559
Bi	6.62503965	7.96043322	4.34343469
Bi	7.29658530	9.75438387	9.18385257
Bi	4.71831659	7.75296066	9.02256217
Bi	10.98658542	8.55431543	6.08492865
Bi	9.70401635	6.22303173	9.68232477
Bi	9.40826679	5.10833775	5.45021905
Bi	5.75786108	4.94079164	8.27396481

Pd₇Bi₁₀

Pd	7.42463028	6.85376682	8.34817887
Pd	7.19704470	4.54050427	6.84177086
Pd	5.91033881	6.81162357	5.67956041
Pd	8.59991648	6.80527341	5.86359583
Pd	7.20192195	9.11109329	6.77023494
Pd	4.47042905	6.84043830	7.88001368
Pd	10.14026848	6.84819506	7.96900353
Bi	7.39149410	5.05377510	4.17175385
Bi	5.73847035	8.90816115	9.10534077
Bi	5.74146949	4.82410398	9.17048531
Bi	4.51816786	8.99644892	6.21772310
Bi	4.52113789	4.64000383	6.27169321
Bi	9.87753758	4.50932701	6.22576478
Bi	8.86256003	4.65326407	9.06541212
Bi	9.88915562	9.10729685	6.17152894
Bi	8.85887662	9.07476762	9.00696664
Bi	7.40769822	8.50022111	4.11785367

Pd₇Bi₁₁

Pd	10.05500560	7.73731829	8.47399639
Pd	9.22939512	8.80891126	6.13586512
Pd	6.98205484	7.51655493	5.71188684
Pd	8.62669051	5.38262960	6.85226571
Pd	5.03310268	6.50301004	7.18436801
Pd	7.09121654	9.69130215	7.65265269
Pd	7.32434479	7.11342577	8.49850632
Bi	11.82541836	8.40183693	6.50100506
Bi	9.73737437	10.54472170	8.08132991
Bi	7.34089609	10.19923405	4.96772767
Bi	11.27720647	5.55421397	7.22106039
Bi	9.60900162	6.59692595	4.67794488
Bi	6.44025197	5.00139457	5.23070906
Bi	9.08773967	5.43772632	9.61305549
Bi	5.11531444	8.45485568	9.15508238
Bi	4.79484722	9.09519139	6.18301410
Bi	6.43353852	4.43634819	8.22226926
Bi	8.19962519	9.04516916	10.16348470

Pd₇Bi₁₂

Pd	10.47965505	7.47828918	8.66350194
Pd	9.53487594	9.55109971	6.46146203
Pd	8.03228537	8.78702891	8.55388248
Pd	6.97260158	6.31541333	8.93044298
Pd	9.57865944	5.27639979	6.32919972
Pd	7.83947500	7.25097045	6.21042169
Pd	5.72823889	8.79269040	7.04547761
Bi	12.14835022	8.88069663	6.95659173
Bi	10.23113837	10.22687276	9.03021772
Bi	7.30607455	11.08975110	7.41680251
Bi	5.69044174	8.67228021	9.80186470
Bi	8.69728575	7.44505671	10.77449311
Bi	9.36951964	4.96767223	8.98875057
Bi	12.00381311	5.82269507	7.16189887
Bi	6.87274593	4.70681417	6.73882953
Bi	4.47995181	6.49541490	7.90942629
Bi	7.33083476	9.54456368	4.81866182
Bi	10.24811633	7.49229715	4.87338951
Bi	5.42905440	6.96043944	5.03894487

Pd₇Bi₁₃

Pd	9.01342999	9.00869911	9.47447048
Pd	10.55856205	6.38095841	7.72632213
Pd	7.93478445	6.70812166	8.61846371
Pd	8.96522428	7.68746534	6.01633371
Pd	7.38856123	9.64957393	6.91820797
Pd	5.58496275	8.07353600	8.45947656
Pd	7.02478585	5.82152451	6.29821854
Bi	8.80516636	4.23324789	7.89829121
Bi	11.62527388	8.05333517	5.79477938
Bi	6.91129378	7.89238168	10.86736113
Bi	11.63948068	8.67890774	8.83767556
Bi	9.96210357	6.54015463	10.36596221
Bi	9.61850997	11.05556100	7.89328886
Bi	9.74906645	5.28132727	5.27852452
Bi	6.68693992	8.08426623	4.63755846
Bi	9.36770711	10.14125186	5.01995882
Bi	4.73675969	9.71737656	6.49961233
Bi	6.65943555	10.53320082	9.33351295
Bi	4.43666327	6.66008442	6.38871426
Bi	5.69476917	5.30964575	8.80172209

Pd₇Bi₁₄

Pd	11.23891324	8.44634479	6.88803814
Pd	8.79987888	7.51906063	8.39876597
Pd	8.85419314	10.09454645	6.87792304
Pd	7.04095276	5.77555038	6.89058412
Pd	6.36098541	8.50469125	6.87091816
Pd	10.53791761	5.72204271	6.88799685
Pd	8.80164004	7.49149512	5.36469052
Bi	13.13573841	6.50547428	6.87329900
Bi	10.41324490	9.66409692	4.52274273
Bi	11.30169870	6.64865568	9.29373889
Bi	7.23499768	9.74051861	9.21700176
Bi	6.34249320	11.27335412	6.85968834
Bi	11.43177818	11.16964789	6.86377567
Bi	10.42178654	9.70389988	9.23197486
Bi	6.25779888	6.73870403	9.28267421
Bi	7.23709346	9.71732363	4.52110505
Bi	6.24145529	6.72111268	4.49649853
Bi	8.76618784	4.64235222	5.18369218
Bi	11.29740146	6.60864980	4.46737805
Bi	8.77606796	4.66642131	8.61235282
Bi	4.42992324	6.54064137	6.89658437

Pd₇Bi₁₅

Pd	11.64359865	8.76551593	7.29367648
Pd	9.11854448	7.58857191	8.66188848
Pd	9.03554257	10.03934502	6.99041499
Pd	7.71647440	5.49983394	7.10783793
Pd	6.85924156	8.13752976	6.81956203
Pd	11.26893801	6.01274847	7.41500684
Pd	9.46568296	7.42462584	5.65933062
Bi	13.78893043	7.07876701	7.55163768
Bi	10.83112335	9.78664914	4.75814819
Bi	11.70452115	7.19561333	9.77500186
Bi	7.34039864	9.70424421	9.28031979
Bi	6.30946957	10.81657724	6.61334193
Bi	11.42376605	11.47719871	7.11208886
Bi	10.42745285	10.03480623	9.49282325
Bi	6.64283789	6.52330722	9.38043844
Bi	7.78372863	9.35788281	4.42046420
Bi	7.20440251	6.31427166	4.51850749
Bi	9.78776666	4.59586116	5.67142501
Bi	12.13201274	6.91254369	5.02993564
Bi	9.49081032	4.78806080	8.98646186
Bi	5.04667941	6.00989013	6.72813130
Bi	4.54552930	8.69284819	8.17536476

Pd₈

Pd	5.85783644	6.03592493	7.70528183
Pd	8.41799365	6.04025211	7.35234821
Pd	4.39271698	4.76293280	6.02515186
Pd	6.95967009	4.39134041	6.01539048
Pd	6.95695173	7.73059327	6.06862446
Pd	8.44461307	6.08173005	4.76736167
Pd	4.38783162	7.35376462	6.06374982
Pd	5.87222324	6.08730569	4.38562777

Pd₈Bi

Pd	8.88893597	7.78570367	5.10052303
Pd	6.61995525	4.42973138	6.30178921
Pd	8.91231434	5.23512880	5.14270322
Pd	6.65321011	8.57388023	6.35704062
Pd	6.71814704	6.50184485	4.67694822
Pd	4.50117451	5.26910193	5.02731028
Pd	4.54790458	7.78690119	5.03404289
Pd	5.21302833	6.50542440	7.21276534
Bi	7.92402538	6.48665457	7.29271069

Pd₈Bi₂

Pd	5.30045749	7.48201669	7.07364186
Pd	4.50080098	7.11007025	4.59485575
Pd	6.80529474	9.56106067	7.34415426
Pd	8.88262355	6.99692370	4.58726765
Pd	6.65368631	5.75787490	5.06883193
Pd	8.13917584	7.37840128	7.07364186
Pd	4.45353632	5.11492488	6.30025259
Pd	8.81986733	4.97066235	6.25942076
Bi	6.73611160	8.48657751	4.96078069
Bi	6.65553405	5.31850141	7.73480764

Pd₈Bi₃

Pd	8.83525363	5.84952147	4.80848350
Pd	7.79867481	8.11510184	7.93849143
Pd	7.80743613	8.27016666	5.00605637
Pd	8.83417180	5.68268546	7.90051433
Pd	10.81781158	5.24218211	6.31763277
Pd	6.24127721	6.22262441	4.43043638
Pd	6.23114455	6.02371447	8.30124044
Pd	4.55616238	5.46342117	6.33133467
Bi	9.92741734	7.70265833	6.45650331
Bi	7.12655179	4.51689850	6.28817306
Bi	5.62803029	7.89958059	6.45451124

Pd₈Bi₄

Pd	10.99709313	7.71104600	6.00632300
Pd	4.55773735	7.71104600	6.00632300
Pd	7.78209600	10.91780786	5.98301847
Pd	7.78209600	4.50428414	6.02962753
Pd	6.78663388	8.69969463	7.17319539
Pd	6.78663388	6.72239737	4.83945061
Pd	8.75816641	8.67703958	4.85862279
Pd	8.75816641	6.74505242	7.15402321
Bi	6.18897405	9.28877228	4.58260822
Bi	6.18897405	6.13331972	7.43003778
Bi	9.35879642	6.11728075	4.57824763
Bi	9.35879642	9.30481125	7.43439837

Pd₈Bi₅

Pd	5.86656861	7.44771745	6.07350250
Pd	4.93054493	7.58563386	8.64007659
Pd	6.90325791	5.01227315	5.59856229
Pd	6.99696159	5.94708169	8.19685788
Pd	7.43191517	8.51346277	8.19902228
Pd	9.48484220	6.88819068	8.69917701
Pd	8.66051320	6.99008178	6.10668531
Pd	7.60306841	9.41830078	5.56612392
Bi	4.64941940	5.37420258	7.10550591
Bi	5.39783308	9.80051884	7.15130287
Bi	9.07219283	4.65293038	7.22938657
Bi	9.78521795	9.10842238	7.15512159
Bi	7.29768471	7.19002011	3.88742099

Pd₈Bi₆

Pd	9.73547514	7.35288055	8.73795263
Pd	7.35288055	5.62757886	8.73795263
Pd	5.62757886	8.01017345	8.73795263
Pd	8.01017345	9.73547514	8.73795263
Pd	5.62736378	8.00874469	6.03680237
Pd	7.35430931	5.62736378	6.03680237
Pd	9.73569022	7.35430931	6.03680237
Pd	8.00874469	9.73569022	6.03680237
Bi	10.28353673	9.56708071	7.38737750
Bi	9.56708071	5.07951727	7.38737750
Bi	5.07951727	5.79597329	7.38737750
Bi	5.79597329	10.28353673	7.38737750
Bi	7.68152700	7.68152700	10.28566731
Bi	7.68152700	7.68152700	4.48908769

Pd₈Bi₇

Pd	6.52613866	5.21008547	7.96308399
Pd	7.85927022	7.73031670	7.07010591
Pd	6.15977717	7.69854135	9.29100410
Pd	9.31499126	5.38780438	7.84926144
Pd	9.37954052	8.06866478	9.16300432
Pd	9.24475239	6.60649184	5.16714779
Pd	6.15308260	6.30871019	5.36502214
Pd	5.62413429	9.08982079	6.60260392
Bi	7.99275963	5.96562621	10.04007094
Bi	4.52947165	6.82663099	7.38944782
Bi	7.33587237	9.93403996	8.55218361
Bi	7.29335490	8.53143494	4.53722178
Bi	11.04120074	7.18163434	7.16155704
Bi	7.91316692	4.41196518	5.85236648
Bi	9.58923670	9.66952539	6.38455483

Pd₈Bi₈

Pd	8.47839747	9.41135625	5.86948320
Pd	9.53766510	5.51111177	6.29092162
Pd	10.89846947	7.97024839	6.66211501
Pd	8.08419797	6.98397196	8.27177894
Pd	7.24325128	6.97751023	5.75652654
Pd	4.38843600	7.91286311	7.38067641
Pd	5.81011729	5.48530765	7.72566049
Pd	6.77698244	9.38456790	8.15296060
Bi	7.18436480	4.26588126	5.57869868
Bi	8.17987702	4.26853442	8.42509429
Bi	9.58995249	7.42973131	4.49166438
Bi	5.81400631	9.35573975	5.71116158
Bi	9.44037839	9.39861823	8.30816908
Bi	4.64901556	6.17393095	5.43282964
Bi	5.72442108	7.38340086	9.53950183
Bi	10.68922802	6.20158943	8.58812770

Pd₈Bi₉

Pd	10.20186892	8.34365147	8.42783433
Pd	8.32810422	10.48369212	8.54629531
Pd	8.08289497	8.36550628	6.65999632
Pd	6.19918620	6.33307030	6.71469597
Pd	5.64010848	8.60373441	5.28822149
Pd	6.25626734	8.57883188	8.97891977
Pd	8.19045899	6.56907774	8.87721917
Pd	8.82193079	5.52530002	6.29188209
Bi	10.01033275	10.27877457	6.56985874
Bi	8.50997644	8.67631321	10.46524633
Bi	10.74477780	7.39119837	5.80355445
Bi	7.58502230	6.97793266	4.44785101
Bi	6.13044917	10.44934010	7.10926134
Bi	4.14298905	7.83301163	7.38831640
Bi	5.58540831	5.99507887	9.53362989
Bi	10.61841497	5.64679561	8.33498573
Bi	7.22818736	4.12800125	7.87522113

Pd₈Bi₁₀

Pd	7.79289570	7.39394926	5.17673406
Pd	6.28456718	9.29519013	6.39753421
Pd	7.95838524	7.62191003	8.02067972
Pd	10.16130516	8.02768657	6.37350783
Pd	8.66243798	10.24073818	7.77018221
Pd	8.35770307	5.00088216	7.18923267
Pd	5.90242957	6.24547676	6.87092961
Pd	5.80257336	6.79287494	9.46294848
Bi	6.37859984	9.51472828	9.07316658
Bi	6.86952003	4.77024410	4.83607689
Bi	5.18219012	7.53752460	4.58184893
Bi	6.05471295	4.22811367	8.50365137
Bi	4.07243047	8.02687615	7.59625181
Bi	10.28612159	8.49713930	9.00383169
Bi	8.63402336	9.89096775	5.18152218
Bi	10.90878228	5.69013353	7.79602379
Bi	9.86898158	5.70433043	4.92334938
Bi	8.38634696	5.76799215	9.87871488

Pd₈Bi₁₁

Pd	8.45545658	5.02923329	7.82397603
Pd	10.47165837	6.67056451	4.93962293
Pd	9.43029676	9.64885007	7.12499826
Pd	8.41526444	7.47559041	9.06586497
Pd	6.08516357	5.53075817	6.46834122
Pd	6.16726388	8.42916019	7.74149205
Pd	8.17759415	7.34212954	6.22233236
Pd	10.64586916	7.24594567	7.56845144
Bi	7.05043099	10.59639258	6.33792137
Bi	6.24160840	5.95606636	9.15432128
Bi	8.40404295	4.90093864	5.14569714
Bi	9.11641451	9.06040489	4.41102822
Bi	7.74530577	10.10726367	9.31383126
Bi	10.25286443	5.59869110	9.73765288
Bi	11.08591334	4.71020390	6.85061366
Bi	3.93075399	6.88399799	7.33272986
Bi	5.70578614	7.85490730	5.09340347
Bi	11.79478554	8.90746675	5.88773860
Bi	10.64997418	9.08348961	9.51494757

Pd₈Bi₁₂

Pd	7.36906661	11.01057652	6.93552766
Pd	7.09697755	5.97491823	6.34853844
Pd	7.82905095	8.50621932	6.10809180
Pd	5.57505164	7.88943798	7.90807870
Pd	7.79327062	9.12628064	8.80164992
Pd	8.42468352	6.48706002	9.39109871
Pd	10.44185648	8.96136935	7.90996134
Pd	9.64420737	6.51817989	6.97187477
Bi	5.37266306	9.54595883	5.69184596
Bi	4.63201661	6.62009945	5.78752663
Bi	5.45532016	10.47870681	8.73323717
Bi	6.31848029	7.77655846	10.57817972
Bi	5.93764295	5.28319322	8.73735166
Bi	11.76692584	7.79705438	5.84409696
Bi	8.70033121	4.24713368	7.80820763
Bi	9.78766839	10.24422782	5.59314396
Bi	11.28188556	6.55313974	9.04725864
Bi	9.77780130	8.68053857	10.58895936
Bi	9.14278124	6.94574605	4.42212613
Bi	9.40791482	11.35292704	8.61909448

Pd₈Bi₁₃

Pd	5.98660432	9.41932725	7.76625529
Pd	8.21820879	7.65084832	8.88672120
Pd	8.69889788	10.05761298	7.87276068
Pd	10.69930192	8.18928799	7.46884122
Pd	9.11379493	5.91529058	6.74492741
Pd	6.14316986	5.90435400	9.01949801
Pd	8.24957401	8.81219565	5.35848945
Pd	6.58229922	7.01488681	6.64846435
Bi	10.44976440	10.39099570	5.80208504
Bi	6.97381078	11.15443924	9.51073485
Bi	6.01577104	8.36519664	10.30388388
Bi	7.08810004	11.28219191	6.05932984
Bi	11.06991962	10.40070649	8.97983682
Bi	10.57555098	7.64226780	10.14706229
Bi	11.51694729	5.68114900	7.87347798
Bi	8.75540739	5.02945918	9.32798554
Bi	10.59913190	7.33164973	4.89001222
Bi	7.72921426	6.25623498	4.35585642
Bi	6.88140878	4.33249478	6.91155222
Bi	4.19634400	7.41997020	7.88698730
Bi	5.45096909	8.90245828	5.09649249

Pd₉Bi₄

Pd	10.73544964	9.84879989	7.31229040
Pd	9.21013756	8.48442391	8.98628675
Pd	11.57872657	7.12333375	8.43789206
Pd	8.01684585	6.08207898	8.87660781
Pd	9.67558537	6.38629484	6.33520626
Pd	6.17343824	7.23003550	6.71321479
Pd	6.92513310	9.77433724	8.14996768
Pd	8.46219374	8.76498824	6.25466007
Bi	9.02274465	11.15120567	9.35835885
Bi	11.71595813	9.41129415	9.89236267
Bi	6.88824195	8.13519077	10.38105734
Bi	12.35002594	6.08823791	6.06377874
Bi	10.32361343	4.65212953	8.29904984
Bi	10.09563141	6.63284223	10.70348626
Bi	13.22348815	8.84508598	7.14970247
Bi	7.67573096	7.01156835	4.42123477
Bi	5.33527476	5.84024603	8.88771763
Bi	7.41506886	4.75570420	6.59260916
Bi	4.45712375	8.72836804	8.17986347
Bi	8.59956684	11.45137379	6.45552193
Bi	10.79737724	8.51474232	4.87714938
Bi	5.95221517	9.69635068	5.54009118

Pd₉Bi₅

Pd	10.16632804	9.77133577	6.67423676
Pd	8.30957747	9.80172747	9.00072954
Pd	11.27125141	8.28430868	8.82845298
Pd	8.35361232	7.03063488	9.44053216
Pd	10.22102377	6.00675789	7.26742718
Pd	6.59399233	9.48043224	6.58737020
Pd	6.55190532	6.30538868	7.18527119
Pd	8.54517782	7.68892234	6.03513381
Bi	12.84942765	9.56033978	7.03662494
Bi	9.85131888	8.70828906	11.09042341
Bi	8.16529900	4.48206449	8.49566079
Bi	10.79279853	10.98986513	9.04222591
Bi	6.78847958	8.75922749	11.04169074
Bi	10.81775509	5.83122966	9.93069445
Bi	12.86400158	6.50552126	7.56078388
Bi	11.10516421	7.64839468	5.14579754
Bi	6.13145252	7.48880592	4.75791962
Bi	5.68813013	6.23136549	9.70712850
Bi	8.39613412	9.96372493	4.56866023
Bi	4.43390219	8.02087083	7.39383770
Bi	5.64666920	10.58623748	8.83582874
Bi	8.30669051	5.04796442	5.49233405
Bi	8.15018593	11.71330075	7.07697466

Pd₉

Pd	8.57944934	5.45963516	7.10746023
Pd	6.51035138	4.37819824	6.00270500
Pd	8.60740327	4.97559388	4.60610930
Pd	8.61589741	7.39670132	5.40265512
Pd	4.38686749	4.95077946	4.62054643
Pd	6.48598763	6.38463334	4.35060743
Pd	6.51815611	6.93196147	6.81073880
Pd	4.44960449	5.47482258	7.10548270
Pd	4.38172938	7.39927406	5.43242099

Pd₉Bi

Pd	5.15304962	8.72396932	5.80831278
Pd	4.34609785	6.39951168	6.65818732
Pd	7.85319392	5.71819796	4.29847593
Pd	9.23473495	7.50741791	5.78754665
Pd	6.85195951	6.98394064	6.65958767
Pd	7.59239113	9.43862272	6.60064782
Pd	5.31208272	6.47595440	4.29630141
Pd	6.14839087	4.62854257	5.94200616
Pd	8.62451331	5.13787405	6.66886640
Bi	7.24963112	8.32806762	4.20478924

Pd₉Bi₂

Pd	4.52182049	7.20920390	7.84722545
Pd	7.81363156	4.39935174	7.87633075
Pd	8.68092195	8.68210721	7.87945571
Pd	5.91460484	5.49603668	6.49276994
Pd	4.55255844	7.28900738	5.19576666
Pd	8.68385673	6.45889399	6.54673111
Pd	6.46764921	8.36790554	6.55638058
Pd	8.66571446	8.68873154	5.21991648
Pd	7.88930392	4.37504900	5.22776157
Bi	7.00235472	6.77866334	8.67609888
Bi	7.03859713	6.76178418	4.39492637

Pd₉Bi₃

Pd	6.92641839	4.50508333	4.98417907
Pd	4.50743800	7.45497132	7.37859322
Pd	5.52111828	4.84526189	7.30680615
Pd	5.32669632	8.59247870	5.02119707
Pd	6.80274109	6.80335362	6.05695992
Pd	6.71710998	9.08073612	7.28895522
Pd	9.03868888	7.64195455	7.37478536
Pd	8.23103763	4.96819374	7.35385492
Pd	8.12060030	8.69268571	5.00728177
Bi	4.52046024	6.02718476	5.06684025
Bi	9.14737086	6.20261507	5.08545786
Bi	6.78448002	6.83160318	8.74337798

Pd₉Bi₄

Pd	9.50555917	9.02426430	6.06167697
Pd	8.52679057	6.78775744	7.13947037
Pd	7.19340261	8.18195165	4.91413501
Pd	5.82675269	6.78986241	7.25968130
Pd	4.96291633	9.10277277	6.07825486
Pd	10.98913585	6.79855388	6.37703332
Pd	9.51890595	4.56269889	6.00652666
Pd	7.18821387	5.39023603	4.91198535
Pd	4.95741266	4.48296818	6.14057071
Bi	7.22720445	9.06151542	7.49106731
Bi	9.38860242	6.80015638	4.34681907
Bi	4.93281860	6.77785731	4.73239764
Bi	7.25874183	4.51220684	7.48269942

Pd₉Bi₅

Pd	5.76742706	6.78850990	8.52251145
Pd	7.90684900	8.22319575	7.67305357
Pd	6.48114813	6.79405370	5.64043981
Pd	7.61969199	9.13123443	5.12926913
Pd	4.01501979	6.79275969	6.43537502
Pd	10.19726117	6.84387977	7.91669323
Pd	7.68891856	4.46994924	5.14811918
Pd	7.93554199	5.40325511	7.67843734
Pd	9.02492166	6.81650131	5.37385404
Bi	5.51957718	8.99554078	6.90251658
Bi	10.01830474	9.05078807	6.34904287
Bi	8.18202915	6.82174544	9.86802984
Bi	5.55581059	4.59512738	6.87761149
Bi	10.07743198	4.62134805	6.37919474

Pd₉Bi₆

Pd	7.59354667	7.24563862	7.23061392
Pd	8.44882503	7.10520988	4.77034468
Pd	8.50518464	9.58326090	6.49277316
Pd	5.68609570	9.03279880	7.38394519
Pd	5.61646607	6.55381972	5.66813866
Pd	6.73248355	7.38814102	9.68930720
Pd	9.56716552	7.95074055	8.78899746
Pd	6.67059730	4.91729706	7.97088370
Pd	9.50708605	5.46857122	7.07037154
Bi	10.51352721	7.83103389	6.29791738
Bi	7.52359819	4.68939763	5.45142179
Bi	7.65582768	9.80718702	9.01563279
Bi	6.50320378	8.93575738	4.84090165

Bi	8.68507383	5.56464107	9.61230179
Bi	4.66447146	6.68483724	8.15443301

Pd₉Bi₇

Pd	7.50859044	8.09903378	4.54030631
Pd	7.38284106	9.44595560	8.70526896
Pd	5.42069992	8.64717625	6.59066644
Pd	9.75596040	8.91116255	6.65627206
Pd	7.68802813	7.30376668	7.10400909
Pd	5.42191234	5.90497740	7.48920779
Pd	9.72417332	5.68383750	7.63238992
Pd	7.50956970	5.13866805	5.50801756
Pd	7.36132843	6.47017099	9.64815800
Bi	5.35392374	6.58170279	4.93172475
Bi	7.49096377	10.22756723	6.15703035
Bi	9.67810148	6.63734482	5.04945986
Bi	7.46495898	4.33159632	8.05145645
Bi	9.55056456	7.95342889	9.22936128
Bi	5.21859937	7.96351382	9.14444319
Bi	11.82022434	7.28894532	7.16501380

Pd₉Bi₈

Pd	7.36380152	7.21492492	9.88028376
Pd	4.75276422	8.75553309	6.48387174
Pd	5.00004998	6.84027066	8.38310737
Pd	10.34995824	6.66059279	6.59137889
Pd	7.31019432	7.69431749	6.91391466
Pd	8.54326176	5.39174395	8.17806575
Pd	6.34898988	5.22565187	6.54787739
Pd	8.52096908	9.62630089	8.40587545
Pd	8.51261660	6.90886728	4.50972642
Bi	5.91166340	9.23449022	8.98472041
Bi	9.50661980	9.04122656	5.86242798
Bi	3.75814987	6.13791729	6.19364686
Bi	9.88408200	7.44714612	9.07749781
Bi	6.27348289	4.78494107	9.29072103
Bi	8.83658801	4.60456649	5.70021441
Bi	5.94562626	7.35786600	4.53557513
Bi	6.86771666	10.44886527	6.25381246

Pd₉Bi₉

Pd	7.13651021	9.32167745	6.65181611
Pd	8.03242539	7.06430096	5.12910056
Pd	9.57048725	9.16092196	7.99981773
Pd	10.50493153	7.02198810	6.23008317
Pd	8.03976498	6.91671348	7.96228981
Pd	9.62257570	4.68034742	7.78168145
Pd	5.58115111	6.85988382	9.26371135
Pd	5.59339386	6.92167756	6.64996357
Pd	7.18971851	4.62176573	6.50540952
Bi	9.48154949	4.81597661	5.13350736
Bi	9.46926134	9.32262299	5.36083615
Bi	10.60509812	6.87908660	8.83080705
Bi	7.20203693	9.07842370	9.36467464
Bi	4.68340482	4.67915159	7.64143596
Bi	7.29109576	4.67228253	9.25485566
Bi	5.83886935	5.48983985	4.36059228
Bi	5.76221974	8.55281538	4.47807402
Bi	4.59419466	9.08536228	7.71069559

Pd₉Bi₁₀

Pd	6.89998597	6.47369723	6.24818520
Pd	6.95602886	9.12936781	5.67214164
Pd	8.41283180	8.07877644	7.88681626
Pd	9.62984111	6.12841079	6.43457314
Pd	9.87377047	9.04005861	5.80696298
Pd	7.41178504	6.03576046	9.43069213
Pd	5.78345121	7.92666952	8.33176377
Pd	7.21086715	9.89872921	9.53602033
Pd	10.15613860	9.87636694	8.88630578
Bi	8.37514214	10.85960733	7.17111314
Bi	5.07209202	5.36058787	8.06004977
Bi	4.57845890	7.74825314	5.86987548
Bi	5.91540404	7.89558924	10.90505510
Bi	5.27881552	10.40024070	7.54067384
Bi	11.29063643	7.81896079	7.70429272
Bi	8.48729034	7.35371999	4.33111608
Bi	10.02694812	5.33904923	9.13758480
Bi	7.88235177	4.19687980	7.32315426
Bi	9.01975240	8.07063341	10.57100054

Pd₉Bi₁₁

Pd	11.62605118	7.96161496	6.25890570
Pd	9.52974258	6.48361956	7.03718687
Pd	9.13675565	6.79512768	9.79323657
Pd	10.13417947	8.92769532	8.31539057
Pd	7.17867909	7.91894282	8.43475590
Pd	6.97565989	5.53016160	7.06698445
Pd	7.93926339	10.39856614	7.58859517
Pd	7.89910379	8.33099331	5.75468054
Pd	5.33167780	7.85465595	6.53691431
Bi	8.77515709	4.42985907	5.36640777
Bi	11.61541545	6.80737351	8.77265136
Bi	6.41188521	5.81407517	9.81235777
Bi	8.38510471	9.53069346	10.16408002
Bi	8.90024039	4.33080789	8.61893788
Bi	5.35337080	9.91350758	8.40698566
Bi	6.49251246	6.37896512	4.52441841
Bi	10.05998878	10.11411032	5.97016237
Bi	9.87636033	7.14341849	4.37588267
Bi	4.37733193	5.62485971	7.50796815
Bi	6.13153000	10.33619222	5.54552868

Pd₉Bi₁₂

Pd	5.37234903	8.22463699	6.38722033
Pd	7.57006191	6.70579160	6.41776286
Pd	6.84962904	6.61490699	9.02195728
Pd	10.52402553	6.40995948	7.57080684
Pd	10.40156221	10.14082455	7.71500815
Pd	6.77072039	9.65913777	8.98706218
Pd	7.48363184	9.84268613	6.36599409
Pd	9.64093779	8.33239052	5.78239171
Pd	8.83607945	8.18907058	8.57848685
Bi	4.57582390	8.10597797	9.05832809
Bi	7.12581762	8.22761870	4.27921910
Bi	5.19205029	5.67087339	7.13641421
Bi	8.50760540	4.47171383	7.68604565
Bi	9.71411426	5.73782192	5.07237097
Bi	9.34191988	6.06235098	10.10148454
Bi	5.08356953	10.73107206	7.21285253
Bi	12.18985465	8.36939013	6.42664688
Bi	8.29857948	11.98029476	7.88553356
Bi	11.64794785	8.25824304	9.35638982
Bi	9.15769476	10.26157572	10.22252181
Bi	9.66961527	10.97598442	5.24921656

Bi 8.13531059 7.95313817 4.43144156

Pd₁₀Bi₅

Pd 6.13120442 5.93640330 5.89452025
Pd 9.09450553 9.08427062 6.07302813
Pd 6.05540840 8.98258264 5.99847949
Pd 9.22273485 6.03509300 5.96618900
Pd 9.00864486 8.97226020 9.00974609
Pd 6.05736667 5.82767458 8.83610268
Pd 9.15345124 5.93975958 8.91274035
Pd 5.99749495 8.88046207 8.93836085
Pd 7.51633004 7.33179751 10.44943310
Pd 7.58600833 7.43106896 7.57089470
Bi 4.45554003 7.37450437 7.38429928
Bi 7.66462792 7.55293941 4.44119484
Bi 7.69930008 4.35256487 7.35262059
Bi 7.48448144 10.59540446 7.55379447
Bi 10.72629839 7.57938693 7.53109862

Pd₁₀Bi₆

Pd 11.37623926 7.71958804 6.82355848
Pd 7.41068158 9.25826964 4.68864054
Pd 7.38032485 6.22529804 4.68599648
Pd 5.22712812 6.28779286 6.76425031
Pd 9.45676198 9.48841274 6.78566037
Pd 5.25124300 9.21881389 6.77614177
Pd 7.46317407 7.73810904 6.78839934
Pd 7.34576628 6.18870476 8.86127014
Pd 7.37227133 9.27154534 8.87499210
Pd 9.43126171 5.96405452 6.77686041
Bi 9.64602723 7.72751014 4.69167781
Bi 5.19896365 7.76393322 4.54088536
Bi 7.20511139 4.52995388 6.75302325
Bi 7.25599012 10.94394327 6.77409432
Bi 5.18230855 7.74406609 9.00164909
Bi 9.58907410 7.71279547 8.88691069

Pd₁₀Bi₇

Pd 8.93023616 6.70044459 9.62232228
Pd 7.93694551 7.13185808 7.20777975
Pd 10.57327066 6.22176538 5.95848520
Pd 9.80853020 9.09452687 6.21643462
Pd 7.09877977 9.30059141 5.98238375
Pd 8.15436600 4.91307211 5.70704835
Pd 4.92675476 6.42945446 7.65029024
Pd 6.09541867 6.80377096 5.15441231
Pd 7.04653929 4.69360511 8.36308673
Pd 5.85015092 8.89458237 8.60035085
Bi 9.62815240 4.65824335 7.94803232
Bi 8.41214506 9.42600312 8.56018522
Bi 8.61935694 7.39375919 4.51029905
Bi 10.97375542 7.68438385 8.10034613
Bi 5.61760940 4.38006883 6.14504021
Bi 6.23242905 6.64450999 9.91350876
Bi 4.58162678 8.66896733 6.29132917

Pd₁₀Bi₈

Pd 7.01728640 5.52697464 9.41096658
Pd 5.39131431 7.84998944 9.49320444
Pd 9.75445450 9.12661874 8.84011460
Pd 6.95690120 9.74086224 6.12505852
Pd 7.11819161 9.89411891 8.93434764
Pd 9.64998811 6.28885872 8.82697204
Pd 7.55138573 7.53360115 7.56184424
Pd 9.66667920 6.35484770 5.90154560
Pd 9.73900209 9.20630472 6.07330783
Pd 6.82467310 5.89323686 5.48830002
Bi 8.03177320 7.82087941 10.39931089
Bi 5.03539776 8.00106208 5.15475915
Bi 8.82175093 11.22709624 7.46972711
Bi 5.13868742 6.03967623 7.57293048
Bi 4.80424632 9.73870941 7.71207472
Bi 8.32461044 4.55146100 7.28306403
Bi 11.38878762 7.65462775 7.42877955

Pd₁₀Bi₉

Pd 9.87847879 7.52350405 7.63297312
Pd 8.56013997 6.21165073 5.65864861
Pd 8.32312340 9.59138434 6.43212591
Pd 8.34140311 9.36219784 9.20549621
Pd 5.51599520 8.93739876 9.23947538
Pd 5.72078991 5.87634118 9.20231544
Pd 7.17988250 7.48133717 7.65689005
Pd 5.72675406 6.23506654 5.79054346
Pd 5.52783054 9.18653320 6.32957670
Pd 8.58576254 5.82116211 9.32630425
Bi 10.32352775 4.95899675 7.38048432
Bi 7.10900990 8.13958853 4.45142457
Bi 10.34100191 8.22364609 5.10588301
Bi 10.58663163 10.09750963 7.86958867
Bi 7.12716568 7.52476230 10.82865163
Bi 4.16774272 7.33720562 7.62752911
Bi 6.62052340 10.99375528 7.95623403
Bi 7.18167949 4.54704108 7.34630635
Bi 10.34970801 7.72433378 10.23502539

Pd₁₀Bi₁₀

Pd 9.12680932 10.17110779 8.56043816
Pd 6.65908779 9.20803060 9.42280533
Pd 9.36625526 6.21815969 8.22960862
Pd 5.12426086 8.88207585 6.97456908
Pd 7.89833331 8.08597696 7.11697033
Pd 5.55762337 6.00616510 7.26074751
Pd 6.99996978 6.40589914 9.55835653
Pd 10.70102095 8.02843534 6.67068111
Pd 7.90974016 5.68763507 5.81957289
Pd 7.19552057 9.64477908 5.08617316
Bi 8.95665431 8.05568533 10.22648100
Bi 6.77511742 10.92403097 7.40993963
Bi 5.87899277 7.27769590 4.99286151
Bi 4.66272439 7.54021294 9.19191558
Bi 7.46711162 4.29094463 8.01528919
Bi 9.73032684 10.42927294 5.91517776
Bi 10.57041407 5.36085362 5.90992556
Bi 12.04675226 6.51975011 8.44941697
Bi 9.15231949 7.77505883 4.38427186
Bi 11.64296913 9.46983011 8.75411865

Pd₁₀Bi₁₁

Pd 9.77033202 7.20710930 9.28716713
Pd 9.66578272 5.89091596 6.84184865
Pd 11.29036356 8.36354735 7.23151695
Pd 9.59525074 10.64306029 7.58406826
Pd 8.35787019 8.29166959 7.15226391
Pd 8.34236328 9.36980572 9.88586270
Pd 6.21273638 8.04140043 8.79283492
Pd 7.36141201 5.61570776 8.33359105
Pd 6.25643920 6.87615948 6.20887621
Pd 8.55576468 7.10911070 4.70906425
Bi 7.60208128 6.85787186 10.77659535
Bi 9.67089544 4.45080014 9.14634797
Bi 11.33269962 6.66993515 4.96732037
Bi 12.08879226 6.01691416 8.19682921
Bi 10.98361697 9.59142377 9.57002265
Bi 10.01196309 9.44741068 5.15945715
Bi 4.17459856 8.46390956 7.02031075
Bi 4.67176461 5.78475081 8.16600858
Bi 7.62725680 4.65175182 5.74078136
Bi 6.70259612 9.22574717 5.09096353
Bi 6.89903948 10.51965295 7.92302002

Pd ₁₀ Bi ₁₂			
Pd	7.49039955	8.13033384	5.78982370
Pd	9.66812595	11.10403427	8.71734961
Pd	8.60494814	10.50159438	6.37503260
Pd	10.32069124	8.37408253	6.19971028
Pd	6.16508099	9.99781348	7.59912943
Pd	6.44687093	6.73768102	8.13536055
Pd	9.99204295	6.46190303	9.42207034
Pd	8.99567575	6.10579971	7.02881039
Pd	8.53146993	8.63224945	8.45598362
Pd	12.68773684	8.82955061	7.37105019
Bi	6.42287770	10.43378839	4.91100510
Bi	11.22234833	10.89769231	6.51517859
Bi	7.43200761	12.44247590	7.74300922
Bi	11.10278629	8.94081294	9.44909882
Bi	7.29503575	10.45632317	10.07303644
Bi	6.76312693	5.42296729	5.69052276
Bi	11.66299870	6.33507977	7.27014689
Bi	4.77340641	8.01905470	6.27326765
Bi	7.95016032	4.60012010	8.94963127
Bi	4.83979610	8.47759800	9.37189835
Bi	7.60201437	7.18335210	10.58734849
Bi	9.24128222	6.76476981	4.35413983

Pd ₁₀ Bi ₁₃			
Pd	6.82625597	5.18461053	6.80114340
Pd	10.01408956	5.15699674	6.96127515
Pd	7.10783663	7.75369121	5.94472873
Pd	9.85807821	7.70756947	6.07090900
Pd	5.76790512	8.36713529	8.38244841
Pd	8.39928328	6.87765882	8.16313546
Pd	10.74025028	8.52129541	8.71763407
Pd	8.16273495	9.02963244	9.57415975
Pd	8.28820466	10.23447323	7.10594558
Pd	8.09551014	6.46396646	10.67625884
Bi	8.51114204	5.75509809	4.77840568
Bi	4.65233848	6.83506091	6.43511438
Bi	8.28028707	4.24242042	8.85623097
Bi	8.55957710	9.52666513	4.51186829
Bi	5.66052801	10.04354669	6.15002340
Bi	5.56141706	5.80976436	9.33180547
Bi	6.39887218	10.99195809	8.99844345
Bi	6.11053585	8.30359706	11.12341621
Bi	9.86913296	11.08502796	9.20971650
Bi	9.98225322	8.38891760	11.39483778
Bi	11.02350740	10.14871611	6.46676648
Bi	12.18312704	6.93524082	7.02841695
Bi	10.83237316	5.94730319	9.68167542

Pd ₁₀ Bi ₁₄			
Pd	8.98132553	10.79388431	8.39876446
Pd	10.55976181	8.83509442	9.75858944
Pd	8.19881213	7.90516888	10.86630081
Pd	5.69309815	7.41331823	7.93152859
Pd	7.78573953	5.73854965	9.28408741
Pd	6.55326049	9.65465815	9.50414814
Pd	8.27569529	6.36139296	5.67192699
Pd	10.67372519	9.02047449	6.38467087
Pd	7.18944403	9.92246243	6.04575658
Pd	10.69902959	6.56315538	8.21552206
Bi	6.66844911	11.94532697	7.87676505
Bi	8.68395206	10.48088393	11.04315779
Bi	4.68655488	9.78498957	7.28133343
Bi	5.70871983	7.11433625	10.54250075
Bi	10.11575215	6.08365348	10.74225714
Bi	8.39546150	8.11719713	7.99039704
Bi	5.93290284	7.66173149	5.10249311
Bi	8.89760150	8.64834227	4.27599142
Bi	11.65583193	10.93757287	8.16553972
Bi	6.31076710	4.97398498	7.02487900
Bi	9.31880826	4.38230285	7.31854495
Bi	11.00060628	6.41711939	5.49549465

Bi	12.74885599	8.18717339	8.03010926
Bi	9.47077079	11.43081214	5.78057333

Pd ₁₀ Bi ₁₅			
Pd	9.95852643	10.90829027	7.00181594
Pd	8.64207439	10.30210005	10.07187050
Pd	11.16507196	8.29712853	8.39753473
Pd	9.35433345	6.13070486	6.86525824
Pd	9.70359487	8.58373751	5.38343111
Pd	8.30147967	6.65967285	9.88346077
Pd	6.85278513	8.91091184	5.46996025
Pd	5.58940409	8.79200510	8.59146162
Pd	6.66733777	6.43978319	6.90222638
Pd	7.27631584	11.25313015	7.07355470
Bi	8.84477150	12.70492533	8.71678238
Bi	8.53104690	10.95625931	4.70765597
Bi	11.29616002	10.83037932	9.44771361
Bi	11.78807068	6.81081148	6.10446573
Bi	10.79518112	5.69889743	9.18653649
Bi	12.18021388	9.74124453	6.24647825
Bi	10.23020580	8.25971406	11.03340065
Bi	6.09235727	11.29906748	9.60956612
Bi	6.77629060	8.57185717	11.14750004
Bi	5.59641442	6.17524754	9.44540700
Bi	7.90570583	4.41664680	8.32807140
Bi	4.45013425	7.66569689	6.27646421
Bi	8.02188649	6.59613884	4.55675987
Bi	8.33718381	8.64658281	7.78050028
Bi	4.78204554	10.57273083	6.58738935

Pd ₁₁			
Pd	7.78758767	4.50604192	7.81165063
Pd	6.58005323	6.79747809	8.06589175
Pd	6.77016518	5.62016807	5.63970464
Pd	5.80613207	8.12904913	6.03593252
Pd	9.10439392	6.78197893	7.80957058
Pd	7.73366699	8.99588016	7.54559540
Pd	5.17009145	4.75430247	7.43393921
Pd	4.10158191	7.14562213	7.73131745
Pd	8.31127764	7.65623339	5.47248546
Pd	9.25261448	5.23298911	5.80977878
Pd	4.31011245	6.13564564	5.41694966

Pd ₁₁ Bi			
Pd	8.78648195	8.02283219	5.35687268
Pd	6.24952312	8.99729449	5.34932110
Pd	4.53018593	6.91181317	5.35268566
Pd	6.83659419	6.77054060	6.72244972
Pd	7.70607534	9.02590134	7.47486603
Pd	4.97175768	8.29992970	7.48301575
Pd	5.99896452	4.64334830	5.33742051
Pd	8.62075578	5.33410004	5.33680990
Pd	4.79532318	5.45595357	7.46974441
Pd	9.25781275	6.62788579	7.47885366
Pd	7.46563701	4.42641868	7.45459141
Bi	6.83710021	6.79193814	3.95148162

Pd ₁₁ Bi ₂			
Pd	8.35913932	4.90711823	6.03548259
Pd	7.85849458	8.33561755	8.74965395
Pd	8.07387651	7.14232240	4.52760053
Pd	5.46637778	8.90662426	7.60214784
Pd	5.95934710	5.48532261	4.89179446
Pd	5.74621940	6.65678987	9.10108494
Pd	6.07041248	4.54157005	7.43217977
Pd	8.23515711	5.64365775	8.64437328
Pd	6.91450108	6.90829420	6.81942200
Pd	5.60821399	8.18877660	4.99367986
Pd	7.77139587	9.26728189	6.20573702
Bi	4.27740704	6.55919983	6.78133770
Bi	9.55176107	7.25571694	6.84708869

Pd₁₁Bi₃

Pd	5.11754282	5.93814008	5.84107114
Pd	7.60115879	5.23193657	5.02286138
Pd	6.65138401	4.45221322	7.52727955
Pd	8.09245685	6.23858215	9.22356674
Pd	5.16724069	8.56365939	6.57691818
Pd	6.66043091	7.66985400	4.47530737
Pd	7.29965038	6.97535730	6.92387289
Pd	9.25175315	8.37556915	7.94394695
Pd	6.75441654	8.64415587	8.87877079
Pd	11.16633080	6.98278044	6.93579417
Pd	9.26804359	7.41407639	5.21496316
Bi	5.18031512	6.50697353	8.46802965
Bi	9.31176028	5.18263963	7.06274827
Bi	7.67409007	9.49707814	6.15510826

Pd₁₁Bi₄

Pd	9.27629535	6.68035180	8.36052661
Pd	7.01580964	8.19609394	9.01249366
Pd	8.44322526	4.49135112	6.78021046
Pd	4.86709180	6.68833399	8.15109366
Pd	5.68308205	4.45118486	6.78403535
Pd	4.84807553	6.68571357	5.44130983
Pd	5.61789420	8.86438041	6.78531031
Pd	6.98950152	8.18248122	4.54370903
Pd	7.09169319	6.73512519	6.78233992
Pd	9.26721837	6.67457345	5.19962304
Pd	10.97293420	8.04389486	6.77326598
Bi	10.92679288	5.38054530	6.77835227
Bi	7.02013633	5.36841076	9.06331584
Bi	8.44284705	8.97484099	6.76847809
Bi	6.99968287	5.36791355	4.50166239

Pd₁₁Bi₅

Pd	6.58774546	8.14454541	5.72382714
Pd	7.55109355	9.15509983	8.22263162
Pd	4.32686286	6.85228825	6.32100318
Pd	5.99368925	6.87306299	8.44025511
Pd	6.56538743	5.44456728	5.79478385
Pd	8.58881977	6.70635937	4.45329251
Pd	8.33164093	6.82554077	7.14542397
Pd	10.74600048	6.85697624	6.13273023
Pd	10.21000750	8.22107026	8.43113497
Pd	10.21156056	5.48209849	8.43951061
Pd	7.50096482	4.56653383	8.33048410
Bi	9.13895951	9.06859764	5.96032088
Bi	4.95364112	9.13786499	7.57398475
Bi	4.89653128	4.59883035	7.65668168
Bi	8.27696064	6.88405174	9.82863572
Bi	9.13540745	4.52326224	6.08395107

Pd₁₁Bi₆

Pd	4.50146182	8.59412757	6.84662089
Pd	8.63733311	8.56995279	4.90296058
Pd	10.43155948	7.52985571	6.77816048
Pd	8.61219961	8.33829355	8.71865008
Pd	6.91709762	9.91267801	6.95758234
Pd	4.83128660	6.39688270	5.30805622
Pd	7.10840319	7.25180938	6.72974977
Pd	4.77760047	6.16140026	7.94011196
Pd	9.02553780	5.10891779	6.63537048
Pd	7.30890138	5.75479003	8.91991612
Pd	7.35928836	6.04682081	4.38849560
Bi	9.98488490	6.30716126	4.49635379
Bi	9.56623808	10.01905868	6.90585250
Bi	6.45026825	4.55227272	6.55104301
Bi	6.01655032	8.68877700	4.62470694
Bi	9.94321067	6.05701114	8.91338580
Bi	5.99522583	8.27341559	9.06833245

Pd₁₁Bi₇

Pd	6.83116732	5.77574965	8.80176227
Pd	6.89438915	5.90589838	5.87854370
Pd	7.45906898	7.98022830	7.38715297
Pd	9.52569181	6.33131180	8.75066956
Pd	5.38834771	8.14868507	9.33575357
Pd	7.29820161	10.25354371	5.97892656
Pd	9.87240672	9.24808470	6.03563386
Pd	9.58152710	6.41723446	5.91830382
Pd	9.80234378	9.13532414	8.89502347
Pd	7.24948792	10.14057633	8.88095746
Pd	5.44856195	8.19911552	5.37992428
Bi	7.93824273	7.81205787	10.30236337
Bi	4.75930847	6.49020748	7.34932840
Bi	8.52554964	4.36859703	7.29352239
Bi	5.07540202	9.94279989	7.35526804
Bi	9.18751659	11.33281888	7.52113468
Bi	11.36478151	7.61970629	7.42729725
Bi	8.04852640	8.07596660	4.48541757

Pd₁₁Bi₈

Pd	7.70250886	5.56402621	5.45641206
Pd	10.90591729	8.81869983	5.97210846
Pd	8.34570847	10.03485529	5.94339548
Pd	6.48315763	7.95056230	5.98676035
Pd	10.47089959	6.04627699	5.82335926
Pd	8.35617992	9.99801701	8.84867967
Pd	8.72478166	7.42235211	7.38650351
Pd	10.90682265	8.79756589	8.81033661
Pd	6.47348905	7.92136854	8.80078039
Pd	10.47180495	6.01688327	8.91995995
Pd	7.71325362	5.51848210	9.29172218
Bi	10.34763376	10.93161748	7.40347430
Bi	6.15071911	10.25893048	7.41728430
Bi	8.90125884	7.85598251	4.52798130
Bi	4.10719844	8.04594191	7.36245786
Bi	8.89975560	7.80616239	10.24468600
Bi	5.83488457	5.65992879	7.38443570
Bi	9.14355410	4.37852574	7.35467404
Bi	12.34223073	7.09643716	7.38050686

Pd₁₁Bi₉

Pd	8.99027118	6.82434075	6.50367824
Pd	7.99006359	4.56307359	7.75489327
Pd	10.51128124	4.56695269	6.52252426
Pd	11.30283833	6.81603620	8.16246190
Pd	10.52084318	9.04939845	6.46685940
Pd	6.83886787	6.84619481	4.94644475
Pd	5.75946743	4.59190730	6.14906763
Pd	5.75462185	9.07871021	6.20906926
Pd	6.47401217	6.84034885	7.78887430
Pd	8.01603588	9.11005713	7.75207001
Pd	8.76487115	6.84409136	9.24448487
Bi	10.23910525	4.61011446	9.15229222
Bi	11.57641954	6.79166892	5.55280605
Bi	8.24729906	4.57279865	5.04221741
Bi	8.23281079	9.11724166	5.04255213
Bi	5.53715242	4.46952455	8.77660900
Bi	10.28549356	9.06147282	9.09920323
Bi	6.47670954	6.79782904	10.54401554
Bi	4.39148065	6.83868248	5.96474055
Bi	5.60954532	9.19744607	8.85419053

Pd₁₁Bi₁₀

Pd	10.15908937	10.07205300	7.26810495
Pd	8.74514377	8.72871212	9.21290443
Pd	6.34191531	9.48487244	8.10076921
Pd	7.64441308	10.65289954	6.05634152
Pd	10.98023300	7.48859861	6.18430707
Pd	9.57412089	6.19893347	8.16913686
Pd	7.99710754	7.95733148	6.60343657
Pd	7.65733366	5.07261440	6.64892175
Pd	8.62408352	6.65247715	4.43977110
Pd	5.17719028	7.68120254	6.36138040
Pd	6.89010381	6.95051836	8.86805901
Bi	9.66643752	9.28571661	4.80603036
Bi	8.19979529	11.26924459	8.63186333
Bi	4.90368899	10.47847283	6.18092225
Bi	11.24476165	8.15762339	8.73718419
Bi	10.16910750	5.01870522	5.83695801
Bi	6.06050251	5.74316432	4.61366942
Bi	7.81557959	4.56355858	9.28704864
Bi	5.05224449	5.20628240	7.61078241
Bi	4.43182243	7.94022807	9.02892160
Bi	6.51325347	8.80509383	4.21524044

Pd₁₁Bi₁₁

Pd	6.62972085	7.31042130	6.06515907
Pd	5.46253395	7.98111542	8.81649306
Pd	7.44446207	8.43463103	10.76329019
Pd	7.67673158	5.15606328	7.75783253
Pd	8.14965572	7.84865734	8.16515629
Pd	9.30476613	6.02862173	9.87988105
Pd	6.50534417	9.96466638	7.18117432
Pd	9.19590272	6.46321703	5.96335100
Pd	8.52741587	10.41047724	8.95358930
Pd	8.86854878	9.21511380	5.88423473
Pd	10.85865518	7.46299115	7.85610263
Bi	4.24293606	8.63832226	6.44250161
Bi	5.95089181	10.43066844	9.73589187
Bi	4.92324482	5.61436060	7.36037543
Bi	6.64377030	5.96854060	10.11201442
Bi	7.17884301	4.88655605	5.14479952
Bi	10.36218269	4.83538701	7.71505667
Bi	8.36057260	11.76837111	6.59943791
Bi	11.19105293	8.04958439	5.24000439
Bi	6.55341145	9.46849666	4.47397343
Bi	10.04615741	8.56102063	10.17821406
Bi	10.94476579	10.24956721	7.45992651

Pd₁₁Bi₁₂

Pd	10.35288234	8.54583339	8.29473546
Pd	8.05339936	9.28161989	9.95241153
Pd	10.03852676	6.46568492	10.05542608
Pd	9.68859448	4.73123705	7.74335244
Pd	6.06494020	6.44254016	9.89983152
Pd	8.13141129	7.03277014	8.02183955
Pd	8.18013624	9.77369752	6.88703790
Pd	5.91247563	8.54530702	8.15321642
Pd	10.17893198	7.06633391	6.03132473
Pd	6.24127967	7.09779220	5.87293458
Pd	6.59140698	4.73642333	7.62289790
Bi	10.56790273	8.99281358	10.94369496
Bi	8.21330757	5.31467067	5.61734862
Bi	11.78318237	6.32816327	8.04527706
Bi	7.97951556	7.30025849	11.79228910
Bi	10.72382908	9.77270671	5.94770058
Bi	8.06194817	4.67155609	9.83590659
Bi	5.69747149	9.79928834	5.79790852
Bi	8.26971995	8.45960176	4.49569604
Bi	5.46554852	8.95774812	10.76331385
Bi	4.48961924	6.34813433	7.74627806
Bi	9.73244369	11.18331378	8.75661057
Bi	6.48509947	11.18910384	8.63797643

Pd₁₁Bi₁₃

Pd	11.59693331	6.74558364	7.60182540
Pd	9.04014324	7.57125290	4.61675725
Pd	8.17759004	5.26391975	6.10117075
Pd	9.46825553	5.27128100	8.63238605
Pd	6.00944640	6.69246493	7.13792131
Pd	8.76750358	10.49635938	7.36855432
Pd	6.85609020	9.00092691	5.67481877
Pd	10.88086966	9.11001027	6.00830740
Pd	8.54308434	7.56557694	10.12527383
Pd	6.67393196	9.07601811	8.72523466
Pd	10.69579323	9.03660437	9.06777235
Bi	11.62741608	6.89678357	4.74484412
Bi	13.10839667	9.01741422	7.66493298
Bi	10.70781757	4.50421563	6.35868564
Bi	6.48147216	6.64559454	4.48675445
Bi	6.94975350	4.47693287	8.37154040
Bi	8.91239339	10.30302698	4.60489326
Bi	11.32192043	11.34832566	7.59657872
Bi	5.96243896	6.85515987	9.99219082
Bi	11.12306171	6.68257572	10.25714834
Bi	8.61222431	10.30359935	10.13192062
Bi	4.44874301	8.93830057	7.08507129
Bi	8.79345084	7.68268931	7.37632118
Bi	6.19468105	11.30395142	7.12356662

Pd₁₁Bi₁₄

Pd	11.44677043	8.37697820	7.06193092
Pd	9.17152553	9.68053969	10.06231324
Pd	8.63345760	11.23321331	7.62118078
Pd	9.62383948	9.67855917	5.45668895
Pd	6.22053098	9.97849897	7.46113344
Pd	7.96552724	6.05556528	9.10425559
Pd	6.67964806	8.52821297	9.88186523
Pd	10.49999753	7.23606857	9.52163240
Pd	8.02846058	7.32286171	5.25246122
Pd	6.06471328	7.02538507	7.21100421
Pd	9.95853664	6.03471162	6.77259514
Bi	11.92981044	9.52386266	9.59919283
Bi	12.42244374	5.99644941	8.00089846
Bi	11.34393109	11.11679566	6.94792719
Bi	6.97326805	11.28946659	9.81376300
Bi	7.39087738	11.02183081	5.19599622
Bi	8.62755007	7.44247482	11.42287352
Bi	10.16275134	4.46452958	9.08323912
Bi	5.61627454	8.54116121	5.10623013
Bi	10.71003365	7.37553675	4.58587101
Bi	7.54533444	4.89007396	6.60590022
Bi	4.21667100	8.61705320	8.58749659
Bi	8.55629796	8.40803400	7.69034094
Bi	5.31392243	6.06154011	9.63618878
Bi	10.18700151	12.13784254	9.69191165

Pd₁₁Bi₁₅

Pd	9.29278688	7.07988720	10.44752748
Pd	8.79237588	5.32576359	8.06368485
Pd	11.47994651	7.05332491	7.88360113
Pd	6.77287046	8.12504027	9.96986506
Pd	10.40500731	9.59258680	9.66748284
Pd	6.25119016	6.35727396	7.80043052
Pd	9.11898478	7.13849137	5.31119707
Pd	10.03611667	9.94395466	6.32072836
Pd	6.41033322	7.36251127	5.24719276
Pd	6.48708768	9.38201676	6.95331177
Pd	7.91117234	10.56687495	9.11547743
Bi	7.19770863	5.35518619	10.24026102
Bi	12.02060137	7.62013176	10.54418609
Bi	10.97001398	4.95098300	9.59278993
Bi	12.45877994	9.61678693	7.85745225
Bi	7.51251837	4.97855764	5.73387368
Bi	8.47838814	9.42660863	11.55685079
Bi	10.80641841	5.05307026	6.14856566
Bi	11.67621667	7.95631428	5.28121493
Bi	4.19306776	7.90090788	6.95121222
Bi	10.26473605	11.89738384	8.29849988
Bi	5.13086958	10.09657937	9.14224663
Bi	7.81393632	11.68122174	6.50925797
Bi	8.04067194	9.39806984	4.41927212
Bi	8.73036609	8.08118758	7.92834371
Bi	4.37344588	6.95813132	9.78882701

Pd₁₂

Pd	6.29654272	8.10189637	5.79066588
Pd	6.28840998	9.01542677	8.30532778
Pd	4.99931418	6.78966333	7.94358111
Pd	8.52346307	6.81084373	5.42705149
Pd	8.47084614	4.65956514	6.86839382
Pd	8.44320744	8.96393040	6.86664970
Pd	7.60824628	6.80662940	7.94388324
Pd	4.13733215	8.93324737	6.86461718
Pd	4.08737570	6.78169689	5.42684550
Pd	4.16725307	4.63248469	6.86622397
Pd	6.31761219	4.58043094	8.30571231
Pd	6.31380430	5.49181339	5.79033628

Pd₁₂Bi

Pd	6.96691605	6.86500593	6.87292193
Pd	7.35295153	8.65831108	8.68878751
Pd	6.61961548	5.10211580	5.05888542
Pd	8.04059381	6.04657419	9.07408822
Pd	6.31257293	4.49010797	7.65242115
Pd	8.64359782	6.98214838	4.86984507
Pd	7.66717652	9.19925899	6.07958781
Pd	9.41516572	7.57327077	7.35138133
Pd	8.76806094	5.02787020	6.69623122
Pd	4.52801474	6.14902405	6.39719926
Pd	5.18715082	8.73666236	7.02820017
Pd	5.93784212	7.67344122	4.68051592
Bi	5.38891605	6.75019782	8.94045624

Pd₁₂Bi₂

Pd	8.20759158	6.91811399	7.66447581
Pd	9.44745910	9.18435843	7.57709845
Pd	6.89962539	9.09530954	7.11472710
Pd	6.48534604	9.46430438	4.62089165
Pd	8.79852146	8.53571172	5.18423547
Pd	10.58385008	7.10016078	6.46147252
Pd	6.80392601	6.95708601	5.32838868
Pd	9.21693570	4.73792167	6.75567349
Pd	7.12674536	4.42575344	5.01131182
Pd	6.74593317	4.74327105	7.58671786
Pd	4.82451170	5.55419146	5.88478444
Pd	4.60769162	8.29375754	6.02620358
Bi	9.20359063	6.01555403	4.49251579
Bi	5.53987615	6.99967095	8.08275088

Pd₁₂Bi₃

Pd	7.27772602	6.83426788	4.45754875
Pd	4.52912085	6.46599028	7.96760301
Pd	4.58595164	7.43637732	5.45669919
Pd	6.52366128	4.91905722	8.36228094
Pd	8.03033032	4.53678746	6.21990311
Pd	6.78913846	7.57663032	9.31526224
Pd	6.34501008	9.30077815	5.39834327
Pd	4.79844574	8.95717056	7.59738135
Pd	7.05839313	7.19803513	6.89683457
Pd	8.87151596	5.93621927	8.39547751
Pd	8.88635909	8.95727143	5.54877554
Pd	9.29762756	8.47152312	8.15058391
Bi	5.48691704	5.05629851	5.84922652
Bi	7.17678711	9.88523529	7.85239383
Bi	9.66324321	6.54373249	5.92628997

Pd₁₂Bi₄

Pd	7.89921521	9.09694819	8.12687283
Pd	7.07113982	6.77213065	7.17544007
Pd	5.31347605	8.21511571	8.37205557
Pd	5.29092447	5.39583129	8.56192112
Pd	7.86350340	4.48465004	8.25706799
Pd	9.40447123	6.78506906	8.45011252
Pd	11.12165029	6.73468522	6.30518596
Pd	8.82299579	8.06640539	5.77831944
Pd	8.81397516	5.41291975	5.80098760
Pd	6.76706424	6.76412891	4.50029616
Pd	6.25746037	8.93879854	5.96573631
Pd	4.64000253	6.74838311	6.25190218
Bi	7.13365094	6.93760393	9.86424502
Bi	10.48293092	4.53838377	7.64441185
Bi	10.49066951	9.02178608	7.54951487
Bi	6.19715807	4.58532279	5.95389388

Pd₁₂Bi₅

Pd	7.32193295	6.84328636	9.62392292
Pd	8.77425963	5.28561092	7.85569703
Pd	7.25904243	4.85673438	5.55570135
Pd	6.85541332	7.00852262	7.03641903
Pd	4.72343217	5.68990048	6.17095436
Pd	4.71844612	6.92746835	8.61691617
Pd	4.69193419	8.35626203	6.28728206
Pd	10.71392382	7.03842532	6.95894190
Pd	8.72938517	8.62768654	8.06533610
Pd	8.67896731	7.13462731	5.14697937
Pd	6.16789565	7.13030740	4.47926759
Pd	7.21772298	9.32338718	5.80489100
Bi	6.12597365	9.25369369	8.36397447
Bi	10.02628564	6.87394644	9.53647764
Bi	6.17889207	4.64211377	8.15338339
Bi	9.94661427	4.86843178	5.52406089
Bi	9.91046163	9.35770797	5.82155124

Pd₁₂Bi₆

Pd	9.54787529	9.61511468	5.99661082
Pd	9.59096862	9.46837051	8.77474980
Pd	7.54701774	7.92978063	7.40028172
Pd	9.70222947	6.77787478	5.92366291
Pd	6.75831787	10.07275561	6.12734364
Pd	5.68467560	7.81543017	9.69579106
Pd	7.21809429	5.67607397	8.80154368
Pd	9.86625512	6.58568057	8.64478548
Pd	7.06940906	5.80988935	5.83108882
Pd	5.43206488	7.94620067	5.23580077
Pd	6.86942298	10.00441316	8.83532790
Pd	4.77789345	9.07924738	7.54787709
Bi	7.94124309	8.12226179	4.48193673
Bi	8.51833866	11.54070743	7.46986007
Bi	11.41319208	8.24702223	7.30254984
Bi	5.01141041	6.43751758	7.45485964
Bi	8.99762934	4.55723140	7.17700436
Bi	8.22017391	7.79052910	10.30767565

Pd₁₂Bi₇

Pd	10.74335359	8.63415130	7.24712630
Pd	8.64642487	6.76102106	7.47168361
Pd	8.15836707	9.04149694	6.18754344
Pd	6.43678945	8.05589434	8.18869713
Pd	6.69287075	6.75628967	5.59098546
Pd	8.15773138	4.47154201	6.20052545
Pd	10.74625716	4.90076019	7.25488001
Pd	6.44068951	5.46849995	8.19972706
Pd	11.66409515	6.75446470	5.34390417
Pd	9.03062413	6.74655652	4.65879280
Pd	10.36240152	6.76571189	9.40581137
Pd	4.38389537	6.76142660	6.96844318
Bi	8.78655228	9.03825256	8.96058727
Bi	5.47548379	9.01116197	5.93083827
Bi	10.35803757	8.98872166	4.65551659
Bi	12.50558122	6.77328212	7.83340515
Bi	8.79392289	4.48181589	8.96585652
Bi	5.47369697	4.50616227	5.94840698
Bi	10.36173146	4.50624338	4.67080559

Pd₁₂Bi₈

Pd	10.31053429	9.21959348	6.48773386
Pd	9.32881308	7.01688533	4.40627735
Pd	7.81168588	9.17162750	7.76765415
Pd	5.54775902	9.23828478	6.19385916
Pd	6.87463194	6.95936509	5.66457891
Pd	9.04654325	6.96686108	7.07056798
Pd	10.38053304	4.75532184	6.44083851
Pd	11.32688115	6.97050477	8.41703052
Pd	6.47306525	6.92117587	8.41780211
Pd	7.88106719	4.72047036	7.71658651
Pd	8.77571241	6.91427790	9.71615476
Pd	5.61993508	4.63560853	6.13549001
Bi	8.02771036	9.32698500	5.06679887
Bi	10.04790896	9.18446386	9.17254300
Bi	11.60492636	7.01311647	5.79070484
Bi	8.10623961	4.64090718	5.01327357
Bi	4.30372121	6.91401366	6.69799138
Bi	5.41206737	9.27714154	8.82441428
Bi	10.11821644	4.70115324	9.12198975
Bi	5.48759063	4.52436472	8.76423048

Pd₁₂Bi₉

Pd	8.90452290	7.52095073	7.78689494
Pd	7.63396628	5.96390179	9.51847714
Pd	10.47297617	5.88806509	9.22125493
Pd	10.48616723	6.10519215	6.14644947
Pd	7.63420670	8.81747725	9.72895438
Pd	10.47967588	8.91487639	9.44683856
Pd	10.48918049	9.13084644	6.35125792
Pd	7.63534469	6.21202768	5.85550342
Pd	6.19083605	10.40038609	7.96698809
Pd	7.64946537	9.06961510	6.03618836
Pd	6.20423547	7.52352019	7.78457447
Pd	6.18700535	4.61972752	7.60088383
Bi	9.26690025	7.27144243	11.14869075
Bi	11.99845834	7.51291177	7.79734483
Bi	8.89585175	10.55097761	8.00182624
Bi	8.88807816	4.46488362	7.57102923
Bi	5.01707260	9.19595450	5.92754691
Bi	9.28573316	7.73618450	4.42846303
Bi	4.99354348	8.94181817	9.81359692
Bi	4.99298250	5.84193498	9.61911376
Bi	4.98794970	6.09127799	5.77093875

Pd₁₂Bi₁₀

Pd	5.98719613	9.06838572	5.49187480
Pd	6.54136328	5.22485087	7.87550576
Pd	8.05715529	6.60686995	9.65305657
Pd	6.41158873	8.83354857	9.37514968
Pd	4.94520763	7.42054703	7.54507112
Pd	8.64635897	5.35216817	6.09950302
Pd	10.23185132	6.67532218	7.90038094
Pd	7.75399689	7.77274682	7.15961968
Pd	10.15889365	8.97422396	6.23872206
Pd	8.41774638	7.66605787	4.50169397
Pd	7.33889011	10.53664118	7.43013535
Pd	9.20041267	9.04553635	9.06021080
Bi	6.21076877	6.36418733	5.39669955
Bi	5.42408349	6.43526004	9.99677113
Bi	4.74498728	10.04208824	7.68416874
Bi	8.99166817	4.37897696	8.57677635
Bi	10.81238499	6.60794052	5.26895435
Bi	8.28426075	10.30696512	4.93464956
Bi	11.88458076	8.83206257	8.36522351
Bi	9.99528178	11.32500819	7.74642499
Bi	7.76830644	11.04436047	10.04140682
Bi	10.45472711	7.25063084	10.60552244

Pd₁₂Bi₁₁

Pd	7.53059141	6.44802855	9.41643568
Pd	7.29510783	6.36931188	6.70172458
Pd	5.55635233	8.13232026	8.20555883
Pd	6.50856697	10.05171414	9.83653001
Pd	8.28698201	8.39091008	11.05229370
Pd	6.63552892	9.32408065	5.98008531
Pd	9.76325203	8.11358818	5.87268552
Pd	10.48687412	10.28306023	7.45796711
Pd	8.31046612	8.68427194	8.15586804
Pd	7.69971873	11.33020312	7.59471957
Pd	9.97844804	6.35668949	8.05686603
Pd	10.66674759	8.45400594	9.65634951
Bi	8.18443582	4.17267670	8.12477572
Bi	5.21841894	5.37478648	8.39594002
Bi	4.85300175	7.20956357	5.79406907
Bi	5.61673315	7.67789794	10.86705239
Bi	5.08761793	10.71149622	7.69542961
Bi	9.60490298	5.40420650	5.55831460
Bi	11.95792366	8.03161515	7.38409516
Bi	7.61248058	7.44782537	4.20375830
Bi	8.89782578	10.57661553	5.33960871
Bi	9.81640450	6.15181336	10.75440202
Bi	9.15613488	10.68970123	9.76820913

Pd₁₂Bi₁₂

Pd	8.25452741	9.70378957	8.97843663
Pd	9.68382587	7.33627003	9.06218591
Pd	10.76177769	9.52797052	10.39098768
Pd	5.84633567	8.77074422	7.65896502
Pd	11.73242487	8.82502028	7.91767063
Pd	7.01884498	7.06397401	9.57607452
Pd	11.08578389	5.10361029	8.55813522
Pd	6.52237422	5.00904237	7.97663470
Pd	9.29648831	9.39941216	6.51878161
Pd	7.91216531	7.07206032	6.96528045
Pd	6.84059585	8.88947795	5.12400229
Pd	10.56519025	6.68922553	6.51235522
Bi	7.10777614	10.94912790	6.86864667
Bi	10.44960436	11.11870761	8.23764111
Bi	8.57946547	8.35349992	11.37241559
Bi	12.22390226	7.22101295	10.06013201
Bi	4.47201699	6.69150708	8.89627412
Bi	5.78980865	9.46886751	10.20770084
Bi	8.63725841	4.92516824	9.83652557
Bi	8.96413052	4.54782779	6.76507874
Bi	9.00275879	7.50249726	4.46121197
Bi	5.41108640	6.68172901	5.97328471
Bi	13.11694127	6.50958838	7.22425582
Bi	11.71220525	8.88888816	5.26873082

Pd₁₂Bi₁₃

Pd	9.96914079	5.82048265	8.14504743
Pd	7.16536279	5.93133375	6.87630418
Pd	9.09854269	6.88226461	5.23174062
Pd	10.85853262	8.28217999	6.74884635
Pd	10.19912997	9.44255973	9.35379469
Pd	8.44201595	8.06733051	7.86180948
Pd	9.65004856	10.67024309	6.99020680
Pd	6.93413629	10.33348023	7.88751350
Pd	7.56195410	9.42294786	10.30179128
Pd	6.53695977	7.05935880	9.38199730
Pd	5.48420957	8.03251210	6.99481497
Pd	7.61074424	9.13539415	5.49370318
Bi	7.70477981	4.54602123	9.16261543
Bi	11.58006830	5.89909328	5.91789432
Bi	9.03839939	4.23513559	6.08987786
Bi	12.22766635	10.30259398	7.85515157
Bi	9.13001049	7.17794371	10.42401255
Bi	12.11129232	7.40532390	9.03300313
Bi	7.68927999	11.90035754	5.66920269
Bi	4.98112599	9.25854754	9.38237134
Bi	8.71778560	11.67098679	9.35484200
Bi	6.36977243	6.99766789	4.55614979
Bi	4.78171843	5.62129655	8.03786257
Bi	5.12891766	10.37392767	5.77379920
Bi	10.03343075	9.48139188	4.49560022

Pd₁₂Bi₁₄

Pd	9.84077518	7.82791290	5.83849746
Pd	5.61318481	8.40128298	6.37780095
Pd	6.34191685	9.92904381	9.37035646
Pd	10.86762870	7.82802632	8.70252789
Pd	9.47680553	5.59882451	7.79435599
Pd	6.98186182	5.91415699	6.60972733
Pd	5.96546574	7.01750470	9.47814092
Pd	8.57323178	6.67973065	10.27906831
Pd	7.86909160	9.87622104	5.71200515
Pd	9.79429016	10.42980689	7.49382361
Pd	9.04546970	9.69587828	10.06442047
Pd	12.09639523	9.14809321	6.69151458
Bi	11.92990260	6.34908604	6.66043543
Bi	7.39238396	7.53251048	4.42518214
Bi	4.00973820	8.78917385	8.60408146
Bi	9.28465843	5.17580487	5.15289803
Bi	4.41201245	6.09150214	7.35613518
Bi	7.01483650	8.46964471	11.53597148
Bi	10.99745281	5.44089091	10.00105520
Bi	10.42588603	10.25983424	4.91450807
Bi	11.70419048	10.28287534	9.27468920
Bi	7.21647963	4.63702885	9.06699725
Bi	7.93178566	8.16724247	7.95370613
Bi	10.69860605	8.07323091	11.49056764
Bi	8.04231410	11.94538283	8.74515254
Bi	5.74267158	11.08226529	6.85959927

Pd₁₂Bi₁₅

Pd	7.23945284	8.84718241	10.38020048
Pd	11.07245822	9.92390338	8.96981970
Pd	10.27815389	9.80922730	6.04088515
Pd	6.17653462	7.34304021	7.52202546
Pd	7.97399135	6.18467468	9.43701983
Pd	10.41292096	7.32692728	10.07990826
Pd	11.16763704	7.27000064	7.26408566
Pd	8.76655741	6.08573442	6.60899509
Pd	8.62875689	11.10763822	9.40493271
Pd	6.77530058	10.33135486	7.38168465
Pd	7.87032568	8.54287084	5.38726335
Pd	4.94381124	9.29412772	8.94162241
Bi	5.39864160	6.89972889	10.11175328
Bi	9.75645124	9.68536342	11.41410634
Bi	12.85467952	9.48023209	6.88932162
Bi	8.43170179	6.92854361	11.94856354
Bi	12.94307568	7.87852094	9.32071208
Bi	10.25206279	7.40042968	4.73317347
Bi	6.62313376	4.66599656	7.64875991
Bi	6.07142039	11.28548042	10.32832522
Bi	5.18730542	9.02581312	5.72320971
Bi	10.33002933	5.04314201	8.57570331
Bi	7.12331253	12.90459010	7.96748447
Bi	8.82690266	8.54359078	8.05666020
Bi	6.54751900	6.17605255	4.98097710
Bi	8.14478493	11.29231984	5.24716464
Bi	10.26828665	12.13259210	7.53112865

Pd₁₃

Pd	7.75043928	8.40936046	9.30788700
Pd	8.03522911	6.28658039	7.92055093
Pd	8.01495636	4.65063338	5.98293327
Pd	9.51240829	8.32992234	7.40526885
Pd	8.41776454	7.17790278	5.27033988
Pd	5.66005180	7.17616499	8.50306349
Pd	6.06392993	4.65003557	7.78940951
Pd	7.03849990	8.76342592	6.88708047
Pd	4.56594303	8.32989454	6.36984248
Pd	3.87209426	5.94601413	7.17759984
Pd	6.32805282	8.41086192	4.46765133
Pd	6.04262947	6.28790112	5.85316923
Pd	10.20693281	5.94665364	6.59566579

Pd₁₃Bi

Pd	6.87816458	6.76996459	6.93709860
Pd	8.60794993	7.69397561	8.71397413
Pd	6.74999229	4.95564302	5.14095995
Pd	4.96584492	6.48250267	8.67923076
Pd	4.43892198	5.57569605	6.31796896
Pd	8.53955944	5.21146138	8.29435732
Pd	9.13717216	5.58339240	5.91106902
Pd	6.26111729	4.32127341	7.62307236
Pd	6.84208747	9.10109920	5.88800961
Pd	7.96233931	7.21851853	4.31907118
Pd	9.20698603	8.15812656	6.34784289
Pd	6.36060308	8.83548673	8.44465260
Pd	4.50224854	8.19609066	6.80319575
Bi	5.35115560	7.24971256	4.48051386

Pd₁₃Bi₂

Pd	8.04966700	7.14150200	7.13004185
Pd	6.27775820	5.78394532	5.76952047
Pd	6.28255580	8.50320075	8.48969334
Pd	9.82157580	8.49905868	5.76952047
Pd	9.81677820	5.77980325	8.48969334
Pd	9.82028785	8.50085834	8.48872363
Pd	9.81672990	5.77778934	5.77309985
Pd	6.27904615	5.78214566	8.48872363
Pd	6.28260410	8.50521466	5.77309985
Pd	8.04966700	7.14150200	9.79940462
Pd	8.04966700	7.14150200	4.46142063
Pd	8.05478659	9.81405201	7.12982795
Pd	8.04454741	4.46895199	7.12982795
Bi	11.62547398	7.13870253	7.13051245
Bi	4.47386002	7.14430147	7.13051245

Pd₁₃Bi₃

Pd	10.07480759	7.94644822	5.03227920
Pd	7.75885015	9.18169743	5.61389118
Pd	7.95832911	6.53633185	4.49263741
Pd	5.62650238	7.82221637	4.58475520
Pd	7.28565126	9.43825437	8.47648788
Pd	7.02932792	7.06883021	6.80083506
Pd	4.29406320	6.73901337	6.76555303
Pd	5.62314233	5.25820393	5.10678305
Pd	9.63259092	6.09860989	6.81079959
Pd	8.50271438	4.41339368	8.49848838
Pd	8.26365672	6.97077163	9.03367592
Pd	6.00428184	5.01997950	7.85078014
Pd	5.61077853	7.47171059	8.94968140
Bi	7.86081511	4.29746546	5.97109806
Bi	9.60594330	8.72533438	7.50575815
Bi	5.23371180	9.22299116	6.81663480

Pd₁₃Bi₄

Pd	5.23909246	6.91393057	8.69751774
Pd	6.88856218	6.93744343	6.62067132
Pd	4.30587347	6.94861689	6.08212016
Pd	6.08491827	8.28667029	4.51465813
Pd	8.11506545	4.62763189	6.00706875
Pd	8.44360076	6.95161499	4.62016230
Pd	6.07818630	5.61281206	4.50950092
Pd	7.59310847	8.34535526	8.70598936
Pd	8.09935243	9.26348078	6.03675257
Pd	9.37903824	6.94076076	7.38771761
Pd	7.60693961	5.49713549	8.68538701
Pd	10.57576785	8.28501856	5.53971103
Pd	10.58230092	5.61975210	5.52312574
Bi	5.55835602	9.20837687	7.03808758
Bi	5.56885177	4.65827910	7.02034888
Bi	9.97559765	4.43070134	7.83709800
Bi	9.95474385	9.45308264	7.86387840

Pd₁₃Bi₅

Pd	7.88697882	6.24068827	8.98070413
Pd	8.79067965	8.83594905	8.35885964
Pd	7.01292791	9.93786703	6.56759725
Pd	10.99771717	8.40764623	6.77218052
Pd	9.36249515	5.96685019	6.78486984
Pd	11.94682199	5.91867208	6.91414149
Pd	8.80068146	8.60317254	5.10701406
Pd	5.26623184	6.10583124	8.23046638
Pd	7.16303574	7.33894376	6.73377470
Pd	4.73054564	8.50543172	6.74589645
Pd	6.24110868	8.28246652	4.48407497
Pd	7.06363172	4.72535564	6.72692327
Pd	8.01057137	6.14559754	4.47150727
Bi	10.52950677	6.95168762	9.02173159
Bi	6.21263828	8.51527280	8.98875827
Bi	9.60476822	10.65677200	6.60820579
Bi	10.66686594	6.77304449	4.61999534
Bi	5.13480266	6.08226327	5.50620752

Pd₁₃Bi₆

Pd	8.47896706	8.38205046	9.04255752
Pd	10.58219137	6.87319889	5.33149926
Pd	8.42971968	6.97920134	6.78532837
Pd	7.37841626	9.54799333	6.77580419
Pd	8.43758119	8.35348759	4.51328987
Pd	6.23535007	7.05654274	5.42631982
Pd	7.13970957	4.52134999	6.81652309
Pd	8.34387564	5.59665207	9.05891573
Pd	4.59962942	5.51975960	6.81508292
Pd	8.31761037	5.55930710	4.53873748
Pd	6.25557614	7.08032174	8.16098044
Pd	10.60860724	6.88606340	8.11523155
Pd	4.76258251	8.76495558	6.80064041
Bi	10.02456652	9.15474890	6.77282874
Bi	6.00887240	9.51331386	4.51993369
Bi	6.05688482	9.53999685	9.05949995
Bi	9.81218534	4.66274739	6.79797745
Bi	5.79243998	4.61604515	4.55517721
Bi	5.80864492	4.66692801	9.08593939

Pd₁₃Bi₇

Pd	6.04062431	5.30000058	6.85804213
Pd	8.01013259	6.92275049	8.16075811
Pd	8.67124705	4.48299535	6.85017651
Pd	9.99199829	5.46701109	4.67911522
Pd	9.99963035	5.48075088	8.99049907
Pd	10.40570432	6.95305560	6.83507343
Pd	8.63003396	9.33055230	6.80346074
Pd	6.01732219	8.57381102	6.79610038
Pd	9.97801702	8.37547046	4.65348368
Pd	9.96294778	8.41814415	8.99073121
Pd	5.54509293	6.88243140	4.67295655
Pd	8.00771306	6.89582493	5.49962501
Pd	5.54408615	6.95955153	8.98001157
Bi	7.27178823	4.60920200	9.15402476
Bi	11.31732877	4.52202634	6.83070364
Bi	7.25623183	4.55252536	4.56834108
Bi	3.96995073	6.93466200	6.82451766
Bi	7.24236423	9.24632681	9.11527019
Bi	7.26264601	9.18815430	4.47424041
Bi	11.25924397	9.41076111	6.81876866

Pd₁₃Bi₈

Pd	10.84124778	5.68932203	5.68582928
Pd	9.73130999	8.32853965	4.59315626
Pd	8.39710395	4.98664397	6.93792059
Pd	6.02362181	5.54356555	5.56727696
Pd	7.25406788	7.89223705	5.67871416
Pd	6.99059294	6.81488429	8.28594577
Pd	9.35602460	7.42924417	7.09728229
Pd	7.97837914	9.32885389	8.38233230
Pd	10.61216583	9.73016029	7.28735359
Pd	5.80894774	9.89559023	6.71861082
Pd	11.72829502	7.02588693	8.26107822
Pd	9.25226464	6.20590055	9.46664541
Pd	4.36278187	6.54155062	7.92890256
Bi	6.00609333	4.40908211	7.94318939
Bi	4.57302402	7.77904507	5.65250280
Bi	8.51635072	5.85772569	4.37988657
Bi	10.75848547	4.54952104	8.09782654
Bi	12.04935168	8.03147477	5.83745347
Bi	8.40726250	10.32297165	5.93502821
Bi	10.21008976	8.66643100	9.72315750
Bi	5.43137170	8.78475010	9.06626080

Pd₁₃Bi₉

Pd	8.68299156	5.77344640	6.34074867
Pd	9.76214873	4.70152600	8.59220812
Pd	8.05150718	6.40777382	9.83838705
Pd	7.21220608	7.58731055	7.60518777
Pd	5.89644556	8.97275454	5.73386047
Pd	5.86949672	5.90581861	6.04238626
Pd	5.34679979	9.22458684	8.67704693
Pd	5.31292264	6.31090233	9.01882349
Pd	10.33565325	7.32264243	4.89413978
Pd	9.85202157	7.63329666	8.07128457
Pd	8.69426225	9.11616159	6.02963191
Pd	8.08588850	9.25795081	9.46288163
Pd	9.76756452	10.73185661	7.91190913
Bi	7.06225537	4.52406817	8.07162386
Bi	4.08272510	7.57030806	7.04208386
Bi	6.21163479	8.00077341	10.86664700
Bi	7.56185795	7.28083827	4.43225331
Bi	11.35831056	5.73083332	6.75382314
Bi	11.37598913	9.23426331	6.42402981
Bi	10.67221289	9.42890679	10.02270056
Bi	10.62168178	6.39423593	10.43208907
Bi	7.08343063	10.77794956	7.38302760

Pd₁₃Bi₁₀

Pd	5.95332764	8.85490220	5.58333715
Pd	6.68042796	9.71847595	10.03560860
Pd	8.14196274	7.45774900	10.15259645
Pd	6.29233608	6.14472215	8.39021383
Pd	4.94387983	8.53090123	8.24106765
Pd	8.12101506	4.78241503	9.87359282
Pd	8.76226397	10.78372074	8.65848233
Pd	10.34382199	8.56745744	8.85422589
Pd	7.74875969	8.41288586	7.60667457
Pd	10.14239324	8.29915369	6.11314114
Pd	7.19826242	6.28131372	5.81870968
Pd	9.21139783	6.16560469	7.83316393
Pd	8.44642617	10.47277331	5.90164016
Bi	6.26819189	10.73873935	7.52129572
Bi	5.49804415	7.38651931	10.59683327
Bi	4.62940500	6.68134533	6.39012017
Bi	9.21826140	9.69433003	11.05211911
Bi	10.88901337	10.61479340	7.15333486
Bi	8.19899690	8.29513721	4.31679531
Bi	11.89503750	6.75097471	7.51167491
Bi	9.90877225	5.63676344	5.29556021
Bi	7.63801769	4.05340891	7.33204974
Bi	10.46822622	6.10358465	10.25613400

Pd₁₃Bi₁₁

Pd	8.48771618	9.70558143	7.58551042
Pd	7.32533590	8.11024435	5.55048877
Pd	6.56976464	5.49432697	6.10528628
Pd	5.70162084	8.97077595	7.82759008
Pd	7.79020829	7.08082899	8.07055508
Pd	5.12283063	6.38381535	8.48368097
Pd	9.94722283	7.44406861	6.49593062
Pd	11.13551239	9.97592188	7.21190904
Pd	9.48284869	5.56440609	9.44150189
Pd	8.09527353	8.78044443	10.17877610
Pd	9.12553306	4.78439225	6.89952320
Pd	10.55836643	8.04640990	9.10868979
Pd	7.17979547	6.28423978	10.66549661
Bi	9.53465066	9.68996203	5.04983984
Bi	8.73470144	6.02066824	4.59190898
Bi	6.56669206	10.72973893	5.97991456
Bi	4.73570271	7.36509275	5.98717126
Bi	6.82839246	11.08065881	9.21641777
Bi	5.43513719	8.25744906	10.39415301
Bi	11.54919733	5.18215491	7.90515296
Bi	9.72956821	7.12873567	11.52381065
Bi	12.59654702	7.82069189	7.21854915
Bi	10.04730575	10.60896229	9.63302181
Bi	7.02231351	4.51784486	8.59270535

Pd₁₃Bi₁₂

Pd	8.47743846	5.88802660	6.83269659
Pd	9.38757796	8.16258044	5.43174807
Pd	10.03720258	10.60013365	6.80952318
Pd	11.19252058	6.86011947	7.34806014
Pd	9.02925973	8.41632955	8.14868119
Pd	11.71568793	9.16417434	8.64599286
Pd	6.72697052	8.41773952	6.88585635
Pd	5.69934825	5.88396711	6.98760758
Pd	7.47789329	9.22385814	10.25344721
Pd	9.46029004	5.98520645	9.43518527
Pd	7.44031577	10.81652615	7.97364759
Pd	6.87490552	6.89213056	9.17142562
Pd	10.06249743	8.27328676	10.68247159
Bi	7.08038586	6.78351597	4.74236259
Bi	7.82056977	10.33614286	5.37217057
Bi	10.47703774	5.66845778	5.01951098
Bi	11.93457064	8.99393917	5.97218190
Bi	10.60536117	4.20930360	7.69104570
Bi	12.09039437	6.71216501	9.87318817
Bi	5.15719704	9.67903231	8.92653981
Bi	8.00706626	6.90192292	11.60046142
Bi	4.10029313	8.04112113	6.45722715
Bi	7.33810151	4.33249827	8.66655808
Bi	9.63857546	10.69354840	9.50195507
Bi	4.23136489	6.74219284	9.16096122

Pd₁₃Bi₁₃

Pd	9.62564782	9.34363740	9.91170619
Pd	7.08541128	5.93363706	7.93790896
Pd	8.27580288	6.76098860	10.15919455
Pd	9.85861432	6.33157177	7.54116151
Pd	11.19362220	8.64684209	7.94170771
Pd	8.15351596	8.45387897	7.70202261
Pd	9.39212391	7.74245730	5.33257007
Pd	5.40198651	8.14338146	7.58938977
Pd	8.16407404	10.03506184	5.33185781
Pd	6.43241652	10.64816943	8.10419911
Pd	6.96374736	9.11437864	10.20536515
Pd	9.13058171	10.93907506	7.61211894
Pd	6.76335682	7.73931584	5.36873731
Bi	10.98595249	6.86779812	10.01775454
Bi	11.41327633	11.11182139	8.94196525
Bi	8.93314220	4.40229525	9.08631763
Bi	11.86522478	7.08547066	5.91496545
Bi	10.90102874	10.14894809	5.66413736
Bi	8.21120836	5.30193407	5.52586298
Bi	5.38942829	10.07613723	5.60592157
Bi	5.47384381	6.75958677	10.00061269
Bi	4.40405050	9.66977463	9.55101517
Bi	8.59964434	8.42244751	12.18873838
Bi	7.32598485	12.39280938	6.27350385
Bi	5.09206401	5.86146801	6.20485733
Bi	8.09333158	11.63127642	10.05186412

Pd₁₃Bi₄

Pd	6.52828351	5.99422482	8.08426394
Pd	9.56394275	7.07675052	10.63182681
Pd	9.58020887	9.94563820	9.74498613
Pd	6.53203599	9.14090675	6.63165014
Pd	4.94536528	8.16201821	8.54610923
Pd	6.86892168	7.02191083	10.77937804
Pd	6.61566958	9.80261169	9.93065097
Pd	7.97756194	6.67781638	5.93918550
Pd	9.68109097	6.04510752	7.93467392
Pd	11.12048089	8.33629022	8.21159575
Pd	9.28883608	9.18264402	6.44810834
Pd	7.93303144	11.19736243	7.98780045
Pd	8.08672205	8.06815039	8.63652374
Bi	5.18858393	6.95636590	5.98326384
Bi	8.22712598	4.74532468	9.96593386
Bi	11.64481339	8.78155898	10.90416557
Bi	4.63038248	5.79299270	9.90878030
Bi	8.26650285	9.03927270	12.06723725
Bi	8.04895568	11.95575927	10.58505255
Bi	5.17528115	10.94780898	8.00788508
Bi	8.07635039	4.14806459	6.89339056
Bi	10.69258550	11.09352823	7.61377485
Bi	7.84113596	11.30356097	5.36662203
Bi	4.70720363	8.55734016	11.27027190
Bi	10.70152381	7.08453316	5.69616490
Bi	11.77719700	6.01515913	9.54457797
Bi	7.71851201	8.58477643	4.15465305

Pd₁₃Bi₅

Pd	9.40670205	5.81155514	7.78222067
Pd	6.66783452	8.68271483	6.89396418
Pd	7.53020866	10.79714481	8.63276523
Pd	11.25650482	8.26550832	9.91091814
Pd	11.41963793	7.51398366	7.16215089
Pd	9.13760716	7.97093632	5.71308862
Pd	8.89890399	10.67024385	6.29100879
Pd	11.04011501	10.20788135	7.88959583
Pd	9.33995769	6.46199933	10.46675038
Pd	6.93819277	6.71953864	8.79401218
Pd	7.46487001	8.76811187	10.53631313
Pd	9.71077946	10.55976016	10.31221856
Pd	8.97468757	8.46702075	8.35195206
Bi	11.65743362	5.71591865	9.26921257
Bi	7.22522377	6.02402379	6.09055953
Bi	6.15813252	11.31681411	6.38734835
Bi	10.47804601	5.71393902	5.37053305
Bi	7.40196910	9.47649429	4.35031832
Bi	9.64106355	12.41919362	8.28019558
Bi	13.45693345	8.92566292	8.24007224
Bi	7.95448286	4.31111690	9.49245309
Bi	7.38341021	11.32577363	11.31530217
Bi	9.71702507	8.51919076	12.13434756
Bi	11.24566843	9.60122789	5.31642683
Bi	6.85135927	6.33897230	11.51863173
Bi	12.40612348	10.74359247	10.30672589
Bi	5.12796331	10.04048336	9.58700084
Bi	4.62167771	7.55175018	8.04749358

Pd₁₄

Pd	6.01800980	7.55640983	8.27819073
Pd	7.06352360	9.68638014	7.25480746
Pd	3.92427670	6.56590907	7.14309812
Pd	5.38411957	8.23477659	5.82839917
Pd	5.49498679	5.00056041	8.45661141
Pd	6.08008894	5.71905678	6.00673413
Pd	7.84028899	7.57739699	6.07648819
Pd	7.90057923	5.82236177	8.20767957
Pd	9.60783681	9.28682189	6.78275692
Pd	8.50354077	8.23446914	8.85486521
Pd	10.01705054	6.77308049	7.14249814
Pd	9.77995525	4.23813803	7.50228222
Pd	7.26898056	3.66597703	7.03054596
Pd	8.60663147	5.21198274	5.43064534

Pd₁₄Bi

Pd	5.74192130	6.64404494	5.24814172
Pd	9.23493805	4.51928104	6.82649208
Pd	4.26509403	5.44521945	6.87207905
Pd	5.82105989	6.81585526	8.35196047
Pd	7.97175523	8.19248976	8.95115381
Pd	6.63586011	4.47788193	6.92493389
Pd	4.27874990	8.02830560	6.71823321
Pd	7.94258403	5.45592566	9.05984658
Pd	10.03343453	6.65210149	5.32248834
Pd	9.25748957	8.91747171	6.63476106
Pd	7.84557975	5.28766614	4.64002625
Pd	7.85867035	6.72630515	6.80396979
Pd	6.65539187	8.98176272	6.73556222
Pd	7.84206909	7.95508379	4.53470979
Bi	10.18296481	6.77562630	8.07176742

Pd₁₄Bi₂

Pd	8.41079848	6.90952846	7.16727764
Pd	10.55834107	6.22920484	5.81865386
Pd	9.53135782	8.80177730	8.54250721
Pd	6.39988515	7.58025938	5.62478713
Pd	7.18533585	5.02097346	8.51191629
Pd	6.39898617	7.57716949	8.71124466
Pd	7.18621849	5.02352964	5.81925593
Pd	10.55888046	6.22645203	8.51502699
Pd	9.53042614	8.80541494	5.79634858
Pd	8.47671854	6.82950030	9.89244981
Pd	8.47706179	6.83517447	4.44143172
Pd	7.37279858	9.41236771	7.17068937
Pd	9.29915836	4.39675943	7.16568645
Pd	4.67179226	8.62527433	7.16851045
Bi	5.01392932	5.90558096	7.16624552
Bi	11.68967187	8.18070934	7.16806607

Pd₁₄Bi₃

Pd	4.33780820	8.44639466	7.59960140
Pd	6.60494941	9.28778303	6.63407897
Pd	8.60097857	9.35751119	8.31657337
Pd	5.45259288	6.92768090	5.77423098
Pd	6.55496092	7.81569902	8.97391858
Pd	9.01314983	7.05081192	9.49531816
Pd	7.30507951	5.14924264	8.78076902
Pd	7.96210392	6.97256500	7.00439029
Pd	7.51257542	5.65700277	4.62901127
Pd	8.60712558	4.32032518	6.60331477
Pd	9.92347378	6.44726460	5.44765721
Pd	6.02431035	4.51082426	6.51272661
Pd	9.20137696	9.04427211	5.75184805
Pd	10.71001452	8.02276080	7.59788289
Bi	4.80727997	5.97755960	8.32750424
Bi	7.25581149	8.21813372	4.32538388
Bi	10.42452368	5.49824656	7.95827755

Pd₁₄Bi₄

Pd	5.72103975	6.76441204	4.43066207
Pd	8.02637363	8.28009283	4.61822636
Pd	8.46972295	9.13091366	7.25969580
Pd	4.60050903	6.77884593	7.02668882
Pd	7.17419809	6.82461923	6.63497871
Pd	6.32329445	8.18696218	8.67702287
Pd	8.69293380	6.88758483	8.78891151
Pd	6.36814145	5.50101699	8.71197059
Pd	10.90781384	8.19344856	8.00999294
Pd	12.15849170	6.79262435	6.00940924
Pd	8.09538679	5.34791130	4.63743163
Pd	9.62571831	6.83756466	6.12236335
Pd	8.51017609	4.56311491	7.31326277
Pd	10.90371732	5.55715483	8.08544218
Bi	5.90278985	9.07047433	6.15599254
Bi	10.57850639	9.17011866	5.55337082
Bi	10.62645881	4.47473638	5.65533718
Bi	5.97883978	4.53808434	6.17563731

Pd₁₄Bi₅

Pd	6.47827737	9.77792132	6.05383537
Pd	10.79139497	9.21366521	6.52147982
Pd	8.46731038	9.73957618	8.01771046
Pd	8.00137952	7.46485048	9.52529637
Pd	8.68807673	8.36251824	5.13969463
Pd	6.24929615	7.45297380	4.53607994
Pd	7.10929420	7.46004216	7.03222963
Pd	10.83956696	6.81756378	5.19464351
Pd	4.57873713	7.89752267	6.66356014
Pd	5.57546343	6.29764424	8.80186550
Pd	9.51726902	7.07551376	7.46261373
Pd	8.32930060	5.69859234	5.30737312
Pd	7.89064311	5.08689018	8.01973320
Pd	12.04800682	6.97777004	7.58139762
Bi	5.92185153	9.10956603	8.75602594
Bi	8.85633364	10.92110117	5.68781638
Bi	10.58626973	8.67047770	9.22440973
Bi	5.77518329	5.36131280	6.20303017
Bi	10.37881147	4.71214525	6.79581969

Pd₁₄Bi₆

Pd	8.62983901	5.49567603	9.36578126
Pd	4.41428207	6.94680605	8.17758597
Pd	6.94786869	6.94810032	7.91562995
Pd	7.99547292	4.51631531	6.88673281
Pd	5.54595793	5.54637533	6.11734678
Pd	7.58689456	6.98278126	5.23489096
Pd	8.00415706	9.40113645	6.96706336
Pd	8.63624214	8.31567322	9.42521772
Pd	9.80306189	8.48562651	5.09124582
Pd	5.55102504	8.39803348	6.14418452
Pd	10.98184068	6.87413195	9.16323360
Pd	9.31681504	6.95603296	7.18640217
Pd	9.81529790	5.51163872	5.04206671
Pd	11.74624081	7.02582626	6.37483452
Bi	5.99489393	4.64656366	8.67898803
Bi	7.35558352	4.52369127	4.33769546
Bi	10.62981516	4.66949873	7.56180736
Bi	5.98717107	9.23637417	8.71951161
Bi	7.36496826	9.47081841	4.40927214
Bi	10.62209230	9.21803168	7.71223922

Pd₁₄Bi₇

Pd	5.97902553	7.78576743	8.89126013
Pd	8.36947327	9.40288508	7.09962921
Pd	8.68568583	7.53007636	9.41284918
Pd	9.63825773	5.31307395	8.15001111
Pd	10.39086336	9.51776827	8.68178920
Pd	10.41680021	7.53337393	6.97050733
Pd	10.45599690	9.78300255	5.65257558
Pd	7.61725621	4.12752807	6.72407836
Pd	7.78678474	6.84606550	6.96163571
Pd	8.59822588	8.02404368	4.66571048
Pd	5.89841407	8.11014528	5.24183261
Pd	9.56812139	5.56941846	5.43525615
Pd	5.85499171	10.07758068	7.27029209
Pd	5.36675733	5.84203810	6.88951358
Bi	7.49709188	9.91112162	9.51907025
Bi	11.30083861	7.09298837	9.38195971
Bi	7.03898762	5.32398482	9.11058372
Bi	4.07155032	8.14767987	7.12238986
Bi	6.97004937	5.74481288	4.58344136
Bi	11.19775503	7.52022923	4.47106762
Bi	7.29510182	10.35640035	4.92398227

Pd₁₄Bi₈

Pd	7.10168046	7.69476023	9.29154523
Pd	6.46169075	7.08256928	6.59537730
Pd	5.61504598	9.86172183	8.64556167
Pd	7.72010404	9.57023178	6.94909256
Pd	7.21371395	8.83521984	4.43137829
Pd	7.98004966	5.08019841	7.79289288
Pd	5.84276412	5.30849645	9.44869346
Pd	9.11571942	7.44923603	7.68877484
Pd	11.25701311	7.23823775	6.16916336
Pd	10.55120534	5.45025149	8.72305922
Pd	10.31943038	9.81518178	7.84030686
Pd	9.64937142	8.00048762	10.28994917
Pd	7.48581384	4.61775720	5.21692369
Pd	8.74654764	6.85846735	5.09651415
Bi	9.79674804	9.33564692	5.21222596
Bi	8.20500915	10.16323839	9.50258189
Bi	4.49519787	7.43034615	8.57045816
Bi	5.20163850	9.39349441	6.05098223
Bi	8.41114493	5.57983044	10.38202174
Bi	11.76225106	7.78466013	8.69232821
Bi	10.09430861	4.77504522	6.12786245
Bi	5.47419275	4.63018358	6.90753569

Pd₁₄Bi₉

Pd	8.73225351	9.21900453	9.49745788
Pd	7.21474110	7.74082186	7.78579842
Pd	4.60058570	7.73628604	7.99889260
Pd	7.18987830	10.91325025	8.06987815
Pd	8.39785061	9.55039821	6.06446745
Pd	6.78463892	7.74315943	4.86235778
Pd	11.24068151	9.32131596	5.96808844
Pd	11.24239320	6.16449204	5.96590356
Pd	8.39982166	5.93539432	6.06326042
Pd	9.77984522	7.74254021	7.50951090
Pd	11.52580834	9.19104653	8.97052076
Pd	11.52760649	6.29003989	8.96792336
Pd	7.19509984	4.56424467	8.06265126
Pd	8.73616101	6.25912509	9.49041433
Bi	9.60475096	7.74350001	4.48729247
Bi	9.94783335	10.93418005	7.73308638
Bi	6.05535325	9.29481314	9.83385241
Bi	5.64791806	5.83913581	6.33057925
Bi	5.64497878	9.64260079	6.33340584
Bi	9.95398853	4.54597753	7.72538583
Bi	12.93655596	7.74274146	7.24854808
Bi	10.41339701	7.73834496	10.90517509
Bi	6.06109348	6.17474022	9.83238564

Pd₁₄Bi₁₀

Pd	6.13246706	8.66206659	5.77069453
Pd	6.37030106	5.93620192	6.46654512
Pd	7.95811927	7.79446083	7.63453059
Pd	9.31171292	9.78852763	8.90434050
Pd	5.90884868	9.33756647	8.65875149
Pd	9.23734005	6.25621633	9.42395531
Pd	6.19242070	6.42530777	9.20963321
Pd	9.25081528	5.76613825	6.45526977
Pd	10.56555660	7.73608167	7.62774129
Pd	12.50584077	9.38953501	8.61054896
Pd	12.28309235	8.63261116	5.72118231
Pd	12.41145867	6.46881490	9.22590646
Pd	12.22076944	5.89114530	6.47346991
Pd	9.26419795	8.79754026	5.51988182
Bi	7.62199758	4.40441360	8.23441269
Bi	7.63593556	6.95884741	4.39246656
Bi	7.59893422	8.30446955	10.43545569
Bi	4.46940601	7.46931186	7.47083469
Bi	7.57579682	10.53916239	6.94832953
Bi	10.91713408	4.48158408	8.28737224
Bi	10.92942466	8.26377276	10.45356551
Bi	14.02639392	7.57780625	7.42537196
Bi	10.91117388	10.59169300	6.86012884
Bi	10.81993847	6.81919619	4.43619808

Pd₁₄Bi₁₁

Pd	9.24344082	5.86929903	7.88622454
Pd	8.41189556	9.76919867	5.21916670
Pd	11.43489084	7.68275644	7.28876616
Pd	8.69251350	8.56491024	7.68233649
Pd	10.78701605	10.31837064	7.00775886
Pd	6.68528890	6.81002133	7.09785951
Pd	6.95009927	4.66433560	8.77605482
Pd	7.03313944	9.87832980	9.50805200
Pd	10.12138297	7.64468927	9.85030891
Pd	6.25740834	9.68658112	6.95727738
Pd	7.32342690	7.21158686	9.73710230
Pd	9.70722473	10.32436720	9.67349815
Pd	4.26121540	7.88626277	6.81536100
Pd	8.69932420	6.99345017	5.30964408
Bi	7.72362739	4.54578578	6.14812956
Bi	6.24775564	8.14166604	4.81529915
Bi	10.93629665	5.42505118	5.80116355
Bi	10.78962261	8.65545517	4.90502308
Bi	11.72933198	5.57171576	8.93291473
Bi	12.11525522	9.38545015	9.18040898
Bi	4.51908054	9.40579450	8.99367773
Bi	8.41162650	8.88957222	11.56022781
Bi	4.82685722	6.37429739	9.02835235
Bi	8.94013734	5.23912639	10.52987818
Bi	8.35912520	11.28450769	7.50770761

Pd₁₄Bi₁₂

Pd	8.49125657	9.51397090	6.56704711
Pd	7.83362540	6.80225078	5.51787902
Pd	7.27454146	4.69415306	7.25738623
Pd	5.74466207	8.49572353	6.94047234
Pd	7.92320438	7.25291173	8.26418261
Pd	5.28127967	6.36989704	8.64074124
Pd	10.27560995	7.30417508	6.79411598
Pd	11.12650683	9.87023475	6.71390733
Pd	9.20937167	6.89710126	10.78669242
Pd	7.24837832	9.78548373	8.95612779
Pd	9.68734471	5.24415141	8.66747745
Pd	9.99564544	8.76937819	9.02199209
Pd	6.66740841	7.75089631	10.68647099
Pd	12.11784301	5.50317281	7.48001481
Bi	9.86270843	8.52924247	4.47878820
Bi	9.66337190	4.82380446	6.04128214
Bi	6.75093383	9.14036912	4.48207905
Bi	5.34262593	6.01608770	6.02200939
Bi	6.40334529	11.17981866	6.80335871
Bi	4.70012005	8.91863442	9.36269774
Bi	11.73426076	6.69605013	9.80573475
Bi	8.65277124	9.53854729	11.26377166
Bi	12.98667639	7.90195043	6.71204934
Bi	9.45015184	11.36836272	8.46967985
Bi	7.27398957	5.15289671	9.90723159
Bi	12.50853088	9.72057204	9.05107441

Pd₁₄Bi₁₃

Pd	8.50899139	9.98751048	10.16997666
Pd	11.26543028	9.50835907	7.32621572
Pd	10.27438322	7.04577466	6.17161830
Pd	6.68267506	6.94159630	9.01579189
Pd	6.38694332	9.68909710	8.56562761
Pd	8.71055237	10.82455409	7.58605529
Pd	8.90956285	9.25632208	5.32475905
Pd	6.78875411	7.94505896	6.37376689
Pd	8.75588653	7.18242142	10.72050897
Pd	10.77381332	8.63490153	9.93388007
Pd	12.38924679	7.01307610	7.84954518
Pd	10.14039241	5.95361983	8.75447632
Pd	8.22364125	5.52281757	6.98211715
Pd	8.90525216	8.26102994	8.11114643
Bi	6.48727478	8.57129634	11.12590123
Bi	10.82336837	11.32343314	9.36328684
Bi	11.58884028	8.83854006	4.73607292
Bi	7.23370778	12.12301068	9.33803613
Bi	10.36057919	11.50974422	5.62078444
Bi	8.21977959	6.71439969	4.50132536
Bi	4.42142741	8.02640259	7.82088220
Bi	11.19160961	4.69797221	6.71454842
Bi	7.98858257	4.74114286	9.64586952
Bi	6.55913768	10.56674676	5.93506145
Bi	12.06278339	6.40549778	10.48301573
Bi	5.56616877	5.45890003	6.92544191
Bi	13.25787008	9.19268401	9.16243968

Pd₁₄Bi₁₄

Pd	7.86371237	10.48353917	5.83248979
Pd	10.82389456	10.14073749	8.31711268
Pd	10.42184390	7.02838676	8.98210742
Pd	6.51183887	7.18494730	6.61588404
Pd	6.00571909	9.78955917	7.62639763
Pd	8.21295975	11.00221654	8.59439740
Pd	8.94900706	8.92133836	10.30438386
Pd	6.76627716	7.62270668	9.33420231
Pd	8.44831252	7.92460273	4.84508454
Pd	10.33002133	9.79363793	5.57935821
Pd	11.96713503	8.11016970	6.91936538
Pd	10.03147428	6.35429495	6.38198892
Pd	8.18631071	5.54348024	8.13396679
Pd	8.75802814	8.52881619	7.50033118
Bi	5.89682558	9.04130799	4.88295825
Bi	9.80099892	12.29978638	6.67929370
Bi	11.79965957	8.81598149	10.42983572
Bi	6.53306268	12.38505280	7.08585606
Bi	9.95741185	11.36173779	10.59322275
Bi	8.52571492	6.24158957	10.74322722
Bi	4.26898957	7.83293164	8.22580094
Bi	10.66394728	4.43092116	8.09616991
Bi	7.84156963	5.28104034	5.35319147
Bi	6.41600481	10.03777395	10.36283075
Bi	11.19662775	7.62156058	4.36166851
Bi	5.57587071	5.18738043	8.32075409
Bi	13.00547580	6.34814310	8.52542577
Bi	12.64619084	10.64800443	6.47692671

Pd₁₄Bi₁₅

Pd	7.18272948	6.53087615	6.58007907
Pd	6.22759358	9.38446564	9.07824595
Pd	9.60456062	9.90525617	10.22531790
Pd	10.65593326	6.49092783	7.94956647
Pd	9.42182928	7.69680159	5.75780564
Pd	7.15378597	9.38526911	6.50230375
Pd	8.80155054	10.93333900	7.96584778
Pd	10.91287102	9.33338128	7.35994342
Pd	8.36785756	5.09659310	8.78045346
Pd	6.27941608	6.70093774	9.21675526
Pd	7.64881373	8.51307474	11.25490773
Pd	9.60443685	6.76608276	10.51311191
Pd	11.71008178	8.31460259	9.79975770
Pd	8.52404998	8.08503631	8.44981124
Bi	9.27265615	4.88476735	6.26554927
Bi	4.88369167	7.95362143	7.10805610
Bi	7.41542683	11.39187699	10.42724661
Bi	7.04536714	7.85265790	4.32751668
Bi	6.20810931	11.63453976	7.57063769
Bi	11.47543954	11.30871827	9.10428928
Bi	12.22790013	7.41740436	5.96199752
Bi	5.94208360	4.52034736	7.75126897
Bi	10.42334199	8.53343456	12.25465414
Bi	10.77308641	4.52936225	9.82318319
Bi	9.41749748	10.35575950	5.36921616
Bi	7.33110697	5.80420552	11.51814467
Bi	13.24053408	6.28392287	8.78940480
Bi	13.60604980	9.26474922	8.10594469
Bi	5.01417617	8.13309964	11.08415671

Pd₁₅

Pd	4.65834739	7.41107742	8.83292033
Pd	4.50329697	5.30091723	7.15505714
Pd	5.47464822	7.41135905	6.09102872
Pd	10.50090775	7.41135905	6.91387776
Pd	9.00382493	5.29961286	7.15498343
Pd	8.84920674	7.41101813	8.83216853
Pd	6.75331782	5.16677458	5.79039842
Pd	6.75349341	9.65557295	5.79051635
Pd	8.03293292	7.41131458	6.09328411
Pd	6.75369602	6.01348890	8.18553478
Pd	9.00385195	9.52280879	7.15541093
Pd	6.75384460	7.41095884	10.3079837
Pd	6.75375005	8.80845843	8.18528418
Pd	4.50360763	9.52172675	7.15564678
Pd	3.00610609	7.41150727	6.91446740

Pd₁₅Bi

Pd	6.52895019	6.09392491	8.75922270
Pd	8.88393247	5.21722539	8.11524300
Pd	6.66203357	8.94061145	8.64965957
Pd	7.39127847	10.25675461	6.42630036
Pd	8.67787078	7.40529342	9.43546623
Pd	10.40041918	7.17698318	7.36981491
Pd	7.61721073	7.37465004	6.87594423
Pd	4.42032393	7.55150363	8.55024685
Pd	9.26446333	8.57871496	5.41428444
Pd	6.87228169	8.68397862	4.44639774
Pd	6.77805728	6.20029723	4.59732939
Pd	9.15910004	5.88528970	5.47018144
Pd	5.28890194	8.72251567	6.43861192
Pd	7.13351446	4.44224182	6.44081489
Pd	5.20139076	6.19391134	6.54452202
Bi	9.33234318	9.53324247	8.00897038

Pd₁₅Bi₂

Pd	8.20508953	5.70727910	9.52580496
Pd	5.21330551	8.07565927	7.24608687
Pd	6.21811218	7.44701166	9.55965167
Pd	9.70860294	5.63743741	5.37000231
Pd	8.79391428	8.27628409	9.46308117
Pd	9.98133009	6.67247220	7.74857918
Pd	6.04720134	5.35209372	7.97805170
Pd	7.59478494	7.29388382	7.28717741
Pd	7.00775526	5.59610548	5.36970751
Pd	8.30222044	7.86075061	4.83996656
Pd	9.14341820	9.34331639	7.08642756
Pd	6.87603145	9.77251140	8.44513904
Pd	5.64501702	7.83344202	4.71100935
Pd	10.75569996	7.98426882	5.60020483
Pd	4.51236569	5.89234657	5.98860666
Bi	8.44698124	4.37789906	7.28185684
Bi	6.85322813	9.88890940	5.82549390

Pd₁₅Bi₃

Pd	4.81042647	7.26596691	5.42284322
Pd	6.55777587	9.01584870	6.33719013
Pd	8.77415560	9.34984530	5.07781967
Pd	5.83852356	6.46117510	7.75090379
Pd	4.38511944	8.56141344	7.67684996
Pd	7.40309837	7.12006663	4.60041522
Pd	10.03874219	7.08175898	4.73952828
Pd	8.77848796	4.94167204	5.68774295
Pd	8.47389561	7.22721283	6.93193845
Pd	7.83539153	6.40840848	9.46462654
Pd	9.72012961	5.10796467	8.18301786
Pd	10.06412889	7.73684854	8.86440144
Pd	7.27974590	4.34476402	7.83124834
Pd	8.73756231	9.78666768	7.72338192
Pd	10.89164233	8.97355188	6.51905520
Bi	6.14156521	5.00087608	5.50612619
Bi	6.72951972	8.74035047	8.97909660
Bi	11.41935940	6.48793285	6.86261644

Pd₁₅Bi₄

Pd	5.94655993	6.50381245	4.45813191
Pd	7.04774898	6.79564722	6.82214428
Pd	4.46917945	6.83563129	6.82410430
Pd	5.96422625	8.31463412	8.63008777
Pd	8.26985375	6.98680152	9.17926234
Pd	5.93627804	5.63136605	8.84466155
Pd	10.58250142	8.29450618	8.63430934
Pd	8.29541775	9.15207068	7.42184067
Pd	8.24771705	8.02277216	4.80513699
Pd	10.61450609	6.63891837	4.43733929
Pd	8.31483910	5.22550464	5.05212643
Pd	9.51450914	6.78890620	6.82448808
Pd	8.26930737	4.56950497	7.82324647
Pd	10.58543201	5.59896563	8.86498815
Pd	12.08953548	6.80645189	6.88234282
Bi	5.95314962	9.02915568	5.99695011
Bi	10.62194018	8.99449920	5.95650251
Bi	10.62381112	4.46270864	6.37731658
Bi	5.94493735	4.46053411	6.37591853

Pd₁₅Bi₅

Pd	6.02449768	9.91151975	6.74022958
Pd	8.28026979	9.29649318	5.20041853
Pd	7.04850766	7.48172963	6.77620856
Pd	4.46343458	7.46413952	6.74775849
Pd	5.96504769	5.53582037	5.45189225
Pd	8.28063400	6.62163465	4.50105592
Pd	10.50918924	9.93275024	6.74890949
Pd	9.51181670	7.48601244	6.77191600
Pd	12.09544947	7.47054844	6.74031082
Pd	10.61222927	5.59565732	8.15589485
Pd	8.28171010	5.10683594	6.82341320
Pd	10.59368736	5.52344612	5.46758651
Pd	5.94968440	5.57643057	8.13960478
Pd	8.28295174	6.69381526	9.07708949
Pd	8.26800233	9.33226992	8.31760392
Bi	5.90309785	8.09280990	4.46954553
Bi	8.26113189	11.42443708	6.74360134
Bi	10.65921314	8.08002266	4.46712166
Bi	10.68846631	8.18518090	9.02639122
Bi	5.87374535	8.14590142	9.04547078

Pd₁₅Bi₆

Pd	12.13391072	8.03658227	6.89133354
Pd	10.62093070	10.57999800	6.25681380
Pd	10.61714280	6.89743993	8.90348768
Pd	8.39370063	10.54307051	7.95437947
Pd	9.54711344	8.25137575	6.99040261
Pd	8.34405932	9.66074430	5.02522896
Pd	10.40644967	5.89717812	6.36228868
Pd	8.33329374	8.30828557	9.46554176
Pd	4.47680536	8.57912584	6.90810736
Pd	5.99285889	6.00669922	6.25489482
Pd	6.02879402	9.66218820	8.92650164
Pd	8.22369410	6.06116934	7.97720014
Pd	7.06433364	8.33686495	6.99468235
Pd	8.25319978	6.94525479	4.97106955
Pd	6.20542936	10.71434765	6.39895638
Bi	8.44362437	12.15347394	5.86546612
Bi	10.79022284	9.60891305	8.87710516
Bi	10.69235238	8.27982236	4.60020939
Bi	8.17862152	4.47046610	5.87332151
Bi	5.79605470	6.95302201	8.84750592
Bi	5.89973991	8.31849249	4.61442917

Pd₁₅Bi₇

Pd	10.28640775	8.57925602	9.49785846
Pd	10.07808377	9.78928362	5.15617177
Pd	8.84631197	8.14799223	7.19149447
Pd	7.96832258	9.95215410	8.94908959
Pd	5.60670631	8.82482039	9.62470340
Pd	7.92434944	10.76046493	6.37499004
Pd	6.23752277	8.85005651	6.99024780
Pd	7.80811367	6.06410912	5.77350872
Pd	10.24696944	5.66940938	6.99401725
Pd	5.68785852	4.99199909	6.87082210
Pd	7.67734024	8.55255671	4.81425886
Pd	9.31592088	5.95929429	9.63699898
Pd	6.99785209	6.76725899	8.52184055
Pd	11.50996118	8.20611081	6.91577128
Pd	5.44125860	7.10925239	5.30958234
Bi	10.30960579	10.59534460	7.70404972
Bi	5.80519117	11.14451327	8.07353046
Bi	7.96364041	7.99657555	10.77800506
Bi	11.79925729	6.50366433	8.93256085
Bi	10.08437032	7.14993854	4.77529293
Bi	4.38822795	7.08765065	7.81098538
Bi	8.10034023	4.36391249	7.84368385

Pd₁₅Bi₈

Pd	6.60478449	10.69834481	6.68604206
Pd	8.50764744	9.10600555	5.49350742
Pd	11.18916473	9.56502511	6.10374679
Pd	7.05980047	8.07805517	7.49819954
Pd	4.44702709	8.01651695	7.32966839
Pd	8.79736833	6.32963909	6.13184292
Pd	6.15742730	6.18721979	5.96294688
Pd	10.96344099	6.49651487	9.49094168
Pd	10.61159136	10.28341043	9.26562534
Pd	8.28426341	6.20695966	9.05771704
Pd	6.46266775	7.90925781	10.17949444
Pd	7.96520349	10.02537867	9.05139237
Pd	9.63847122	8.25345896	7.88686263
Pd	11.45294675	6.60224945	6.65657762
Pd	7.42661418	4.32052327	7.35881356
Bi	9.26475619	11.22122120	7.00601560
Bi	5.86747076	8.67363401	5.04235781
Bi	5.31898394	9.93727182	8.89453753
Bi	10.41057772	7.59611956	4.43751570
Bi	5.58963361	5.83622164	8.59517998
Bi	9.14985759	8.20000408	10.68595450
Bi	10.06727901	4.59872369	7.75910735
Bi	12.33675368	8.48782828	8.26657084

Pd₁₅Bi₉

Pd	7.41032627	7.73715847	7.56738099
Pd	8.63811672	5.99387820	5.93662981
Pd	5.81471659	6.19187032	6.10161168
Pd	5.77376558	9.28280233	6.15176116
Pd	8.62376666	6.04687922	9.24713668
Pd	5.81896655	6.19316944	9.08995585
Pd	5.78035560	9.17754265	9.13624298
Pd	10.06037285	4.46057599	7.63081207
Pd	8.58904433	9.38563389	9.31116314
Pd	10.02444608	7.70116974	10.83033364
Pd	10.01352007	11.01765378	7.74317133
Pd	8.61020809	9.55920564	5.97856608
Pd	10.06298820	7.80961536	4.52720806
Pd	9.98172282	7.76267690	7.58606683
Pd	12.60482432	7.70616517	7.57306002
Bi	7.22795662	4.45383294	7.60212687
Bi	4.22450970	7.68896729	7.59606619
Bi	7.20899527	7.67725974	10.84853095
Bi	7.26276498	7.78680342	4.47176121
Bi	7.16577303	10.99034132	7.70528061
Bi	11.39239910	9.60891246	5.95346844
Bi	11.38770178	5.93555698	5.86113844
Bi	11.39857617	9.45379130	9.38769262
Bi	11.39988385	5.96715344	9.35731288

Pd₁₅Bi₁₀

Pd	8.85403057	6.06897897	8.95989090
Pd	8.64190281	6.32188970	5.50612008
Pd	9.90167114	8.63793920	4.71655540
Pd	10.03611009	7.92564051	7.26447458
Pd	10.20827047	4.70394531	7.10624908
Pd	12.51971146	8.62402302	6.03203629
Pd	10.90278330	7.72914964	9.75387097
Pd	12.32806256	6.37753900	7.76937599
Pd	8.26925120	9.91173945	6.50342023
Pd	7.34595163	7.59966600	7.48633624
Pd	6.06131865	5.79979418	9.02827624
Pd	5.82807538	6.25523691	5.80736760
Pd	5.75997167	8.71961776	9.42098745
Pd	5.52043265	9.35094679	6.54288557
Pd	8.54663543	9.16889607	9.21338855
Bi	7.47825074	4.53636556	7.11800826
Bi	10.82023120	10.54516439	6.62275697
Bi	11.33172526	6.31755919	5.29915845
Bi	11.14741551	4.99791107	9.65239301
Bi	13.14146951	8.72314689	8.61508129
Bi	10.78894700	10.43810383	9.71250899
Bi	7.10982576	8.35351288	4.60336377
Bi	4.32583238	7.31138692	7.73564610
Bi	6.70221152	10.93464783	8.35719861
Bi	7.48841943	7.28529602	10.83689936

Pd₁₅Bi₁₁

Pd	8.99173696	9.82123365	7.13474846
Pd	8.53458249	9.31009760	9.92906219
Pd	8.99237002	6.67123130	10.71511069
Pd	11.42816038	8.91906703	8.30110363
Pd	9.24023846	7.15073103	8.03029487
Pd	11.58570663	6.36584076	9.26909236
Pd	6.91391606	8.25143746	8.07102822
Pd	6.53592824	10.00281426	5.95076174
Pd	8.11967190	5.01421640	6.65339651
Pd	10.45791977	7.87946059	5.73845695
Pd	7.08819562	5.62788915	9.04383819
Pd	7.59267557	7.47087686	5.59604476
Pd	10.85606284	5.32753166	6.66263723
Pd	4.66119966	6.88090009	8.68735960
Pd	4.64136950	9.61769206	8.19716870
Bi	6.92325797	11.00140602	8.44337674
Bi	6.42445845	7.68428136	10.63891337
Bi	10.29299923	11.26475027	9.05114732
Bi	10.92082311	8.46415422	10.85668843
Bi	11.38593360	10.48193886	6.08081176
Bi	12.78224033	7.10504281	6.94438651
Bi	5.51346878	5.01607644	6.96928083
Bi	9.35824417	5.79357345	4.43931663
Bi	4.85849178	7.90587629	6.11162446
Bi	8.73858162	9.55743612	4.40241555
Bi	9.58811319	4.61211937	8.96717729

Pd₁₅Bi₁₂

Pd	8.74815313	5.57130561	8.40037258
Pd	11.49422291	7.86078532	7.12794283
Pd	9.82204456	10.77751200	8.18914209
Pd	6.49842657	7.79314626	8.89703161
Pd	7.67755357	6.32643899	10.81204323
Pd	10.99883260	6.80210733	9.53336346
Pd	10.81019169	9.40868851	10.26660399
Pd	8.23853852	8.97564359	10.65945260
Pd	9.37637866	6.80275290	5.93099790
Pd	9.75102701	9.43205796	5.81889868
Pd	7.13330512	9.11866849	6.49680818
Pd	7.15203408	10.56571830	8.79449124
Pd	6.67566725	6.52047965	6.53957233
Pd	9.02719892	8.19113701	8.23511480
Pd	4.74599613	9.81466812	9.40264789
Bi	6.12460986	5.11834501	8.81686763
Bi	11.22172619	5.16989337	7.27075737
Bi	12.05177740	10.53920173	6.87463335
Bi	9.77263200	4.61967842	10.61692241
Bi	13.02445279	8.67768312	9.11245663
Bi	8.99157753	11.49920512	10.57044836
Bi	5.79003558	8.36038798	11.38428735
Bi	8.25721550	4.38341781	6.07707114
Bi	8.03506691	11.56351952	6.43420775
Bi	4.66148195	8.49987841	7.08960717
Bi	9.97329687	7.43923145	12.00574617
Bi	7.84186937	8.04657889	4.24469676

Pd₁₅Bi₁₃

Pd	9.36988120	10.46782092	6.13527795
Pd	6.63227164	9.66228385	6.47958356
Pd	10.21311282	10.19126286	8.89500560
Pd	7.56489164	12.03790686	7.40268607
Pd	7.47273884	9.87905163	9.17950630
Pd	8.25486149	8.35613491	4.74933814
Pd	5.31347525	8.26704516	8.51199545
Pd	7.83786448	7.11454151	9.59629243
Pd	10.60622599	7.50372213	9.50012405
Pd	8.53276220	5.42095576	7.58162333
Pd	10.12571618	6.43053598	5.56547566
Pd	6.58537965	6.95162468	6.54568777
Pd	8.92994472	8.23225527	7.43866450
Pd	11.94548933	10.56174499	6.88055212
Pd	11.75474488	7.89452571	7.13776096
Bi	7.42073011	11.37102866	4.69917472
Bi	10.23852481	12.61642046	7.53341592
Bi	5.17405271	11.03198692	8.28770010
Bi	4.46248267	8.28971471	5.92130176
Bi	8.52467500	12.14144780	10.01923926
Bi	6.09121948	8.52604425	11.05215608
Bi	9.23215852	9.03344145	11.22624180
Bi	9.47932446	5.13068894	10.17210140
Bi	12.68224815	9.26288208	9.16211775
Bi	11.28551593	5.33152071	7.71923776
Bi	7.81453010	5.60386599	4.77288739
Bi	10.96997801	8.83530308	4.79729912
Bi	5.86891609	5.57059546	8.66174644

Pd₁₅Bi₁₄

Pd	11.63682179	9.33948236	9.17024434
Pd	8.02234138	9.89165896	10.23386803
Pd	10.05134307	8.44527231	11.16854569
Pd	9.02662721	10.99034658	8.07001715
Pd	10.61626923	9.39345875	6.62113876
Pd	7.00530214	9.36187029	7.37898096
Pd	11.34667330	6.65058939	9.10365731
Pd	7.89405207	6.91848600	10.55263677
Pd	9.11226467	5.22659068	8.76612359
Pd	10.43403272	6.60223016	6.50629173
Pd	8.13942315	7.63866091	5.63885803
Pd	6.89728476	6.63761182	7.89461349
Pd	5.85440498	8.42464377	9.73169440
Pd	9.17485467	8.14662659	8.47051629
Pd	4.25158797	9.33129874	7.79501089
Bi	10.33179477	11.24963989	10.57217660
Bi	12.83729207	7.88502507	7.14832674
Bi	12.67870028	7.84974026	11.07360907
Bi	11.60337488	11.62334251	7.74848588
Bi	5.94083294	11.07014901	9.04761506
Bi	8.44794637	10.36379102	5.35300380
Bi	10.48241130	8.07213464	4.29733079
Bi	10.13341450	5.72977854	11.37998012
Bi	11.45432178	4.44167315	7.66042189
Bi	5.36462899	7.78333509	5.93195548
Bi	6.64251552	4.74183615	9.78925267
Bi	8.29093558	4.95556266	6.22629944
Bi	6.81732134	8.62389157	12.19465628
Bi	4.22773245	6.65966079	8.72254640

Pd₁₅Bi₁₅

Pd	8.32760812	11.14533490	9.80683423
Pd	6.01059345	8.33750878	8.51834021
Pd	7.99304520	6.60457105	7.13973952
Pd	11.27792873	9.52667108	8.08905229
Pd	9.51114579	11.48327179	7.13769956
Pd	6.97870635	10.64126173	7.36516378
Pd	6.90917569	8.49869094	5.61001568
Pd	9.56350731	9.08733061	5.90902789
Pd	10.37666218	9.61199976	10.67730157
Pd	7.03896393	8.96200520	10.92465129
Pd	7.81387607	6.63831451	9.88762010
Pd	10.49433616	7.07763766	9.66158219
Pd	10.67455112	6.88645362	6.97592880
Pd	8.69879272	8.82687548	8.53008244
Pd	6.48634422	4.75796569	8.43694070
Bi	10.87317280	11.96274757	9.36376411
Bi	5.55448697	10.88645609	9.71666120
Bi	5.19071037	6.38264028	10.06899441
Bi	7.60906653	13.12294732	8.14127867
Bi	4.62097381	9.62341502	6.67958678
Bi	9.04290761	6.77332297	4.77037998
Bi	11.63544775	10.73092093	5.72300976
Bi	8.52917556	10.58524206	12.40752231
Bi	9.34339370	4.81654904	8.54804407
Bi	12.83892603	8.38190533	9.92342726
Bi	7.92905747	10.91600759	4.86395294
Bi	9.17421231	7.53067991	12.01853610
Bi	5.32623328	6.40193710	6.64507326
Bi	13.09227978	8.00594642	6.69549187
Bi	12.54372140	5.62491957	8.54033202

Pd₁₆

Pd	5.67996058	6.18129219	8.43694157
Pd	6.44304727	8.72973873	8.55032617
Pd	5.66251727	6.22839811	5.84284858
Pd	4.38608557	8.01620580	7.18933894
Pd	7.71395913	10.49636407	7.18142506
Pd	6.42380536	8.76078284	5.81076373
Pd	7.75166770	6.93848819	4.38506300
Pd	7.76418036	4.69636874	8.39933275
Pd	9.06114090	8.78450357	5.81541474
Pd	7.77125072	6.85486751	9.91327397
Pd	9.84565573	6.25030988	5.83576472
Pd	11.12064545	8.04511999	7.17295306
Pd	7.75689294	4.74470009	5.84317773
Pd	7.75559050	7.03248121	7.15062819
Pd	9.05810189	8.74969566	8.53083484
Pd	9.84683413	6.19783543	8.42844095

Pd₁₆Bi

Pd	8.36358604	5.10112173	5.02749418
Pd	6.35445985	6.64065986	4.28723188
Pd	6.72223251	9.18662645	4.71197526
Pd	8.28056368	4.57137975	7.59746581
Pd	6.12997156	5.02665534	6.32056227
Pd	5.14240793	7.76305557	6.27628544
Pd	4.47165583	6.01090357	7.99868583
Pd	6.81166413	6.20001626	8.93008402
Pd	7.96829826	8.71850432	8.76298136
Pd	5.35064947	8.32823077	8.86348274
Pd	9.92527091	6.47343709	6.56341648
Pd	10.40098754	8.48482793	7.99295313
Pd	9.34637999	6.40074164	9.09980498
Pd	8.83811025	7.67350720	4.50631469
Pd	7.54449669	7.19324981	6.71527788
Pd	8.77388344	9.50996734	6.33922111
Bi	6.27018545	10.10195335	7.14126150

Pd₁₆Bi₂

Pd	5.92536120	6.68204764	8.92989299
Pd	6.20057405	9.25929907	8.92131487
Pd	8.72632472	9.85414794	8.85805684
Pd	7.97917814	7.79374342	7.48138074
Pd	10.27356467	6.20889619	7.18382270
Pd	10.54960601	8.90011202	7.11350296
Pd	7.82158050	7.80124211	10.36762684
Pd	8.01552440	5.70159447	6.00441353
Pd	5.57995665	6.69353000	6.25085968
Pd	9.65899219	7.56353377	5.04892738
Pd	8.43506367	9.78156691	5.91387501
Pd	5.85859086	9.31227416	6.23093823
Pd	4.16762285	8.17741055	7.78148100
Pd	6.99196826	11.23264071	7.47207416
Pd	8.27708247	5.62949773	8.85915698
Pd	6.25638988	4.57016777	7.50640149
Bi	7.14105083	7.82592528	4.46073920
Bi	10.22359432	7.61272827	9.41631825

Pd₁₆Bi₃

Pd	4.57652639	6.77350180	8.36338330
Pd	5.58645682	9.11777909	7.49299489
Pd	6.38651652	5.79068115	4.66159865
Pd	6.81962366	6.84113945	6.93445211
Pd	6.86355956	7.61541444	9.34169818
Pd	7.65608247	10.05953778	9.02489544
Pd	6.62847739	8.56262609	4.92421219
Pd	6.59461666	5.05376789	8.76521944
Pd	11.15845115	7.32010085	8.24917218
Pd	8.92672958	6.05553907	8.51343809
Pd	11.03090540	7.98738403	5.70903053
Pd	9.13113183	9.45425952	4.78256047
Pd	8.73244951	6.86325089	5.08148374
Pd	8.93990722	8.58051299	7.27976880
Pd	8.05255546	4.60397382	6.50365010
Pd	9.33089605	8.21312748	9.86188342
Bi	4.44475001	7.30155480	5.78458754
Bi	7.44726156	10.64346861	6.43925012
Bi	10.54867592	5.47860420	6.45335880

Pd₁₆Bi₄

Pd	10.55787522	9.15764532	6.36273650
Pd	10.80770765	6.73947824	5.50548687
Pd	8.46164741	5.55154689	5.24072577
Pd	8.51834687	8.11091325	4.99590234
Pd	9.35528705	7.16362988	7.66526102
Pd	7.74298532	4.53670998	7.57964211
Pd	9.55958556	5.27930197	9.39766176
Pd	8.02896040	9.70942020	6.97849978
Pd	4.45050158	7.29691926	6.32990295
Pd	6.25884239	6.83358741	4.30105291
Pd	6.88960275	7.09850468	6.97541722
Pd	6.08932526	9.19503622	5.21111619
Pd	4.94230469	7.45937724	9.03762399
Pd	5.09654188	5.17457054	7.91113082
Pd	7.48073315	8.46377652	9.26340056
Pd	7.05128872	5.99178812	9.54525717
Bi	5.97129190	4.60274403	5.55493515
Bi	10.32864547	4.59568620	6.96707450
Bi	5.46033914	9.59791496	7.70317089
Bi	9.90054702	9.45018329	8.87601564

Pd₁₆Bi₅

Pd	11.97578089	8.02618612	6.93779550
Pd	10.26569855	5.89058128	7.55686764
Pd	10.57314148	10.39744652	7.64184728
Pd	8.26495606	8.26233624	4.33559322
Pd	8.11962599	6.02452332	5.81257939
Pd	8.42053039	10.46365098	5.83076461
Pd	10.52908460	6.77736825	4.92462863
Pd	6.00827190	9.74560625	4.88720717
Pd	9.43495866	8.19313148	6.80947556
Pd	6.18293480	10.66584164	7.45720154
Pd	8.11452033	6.87815860	8.89619924
Pd	7.02494007	8.31581414	6.83111805
Pd	8.29259249	9.55324076	8.92254362
Pd	10.48815699	8.09755044	9.15025309
Pd	4.45129340	8.55572288	6.84674490
Pd	5.85671622	6.02218243	7.46002267
Bi	5.77545392	7.02723403	4.87357170
Bi	8.46157328	11.98984839	7.97446407
Bi	5.82053193	8.29288327	9.20764373
Bi	8.02680184	4.44987599	7.90365923
Bi	10.84599770	9.46514399	4.94506800

Pd₁₆Bi₆

Pd	11.23295165	5.84608101	6.83556682
Pd	8.82119823	6.72701052	6.85917461
Pd	8.92932349	4.15710783	6.86331969
Pd	6.91723261	5.39853714	8.27302041
Pd	10.58752529	8.14222219	8.24901458
Pd	10.71179933	10.47773427	6.84172955
Pd	10.54467930	8.15026456	5.43661313
Pd	7.93503564	7.79062098	4.46699181
Pd	6.89551528	5.39271177	5.47427579
Pd	4.28466246	8.87811391	6.88539023
Pd	6.52905719	7.67255417	6.87184320
Pd	4.59222124	5.98089001	6.87749809
Pd	7.97944082	7.80499327	9.25776719
Pd	6.38301808	9.89047341	8.36414373
Pd	8.46018140	9.30533781	6.86451381
Pd	6.36351226	9.89296562	5.38400345
Bi	9.61691171	5.63035908	9.14455961
Bi	9.57408163	5.61191974	4.56543080
Bi	5.24426622	7.47741214	9.16133212
Bi	9.13924179	10.23430746	9.19839086
Bi	5.20737062	7.48774795	4.59580524
Bi	9.06223675	10.23696786	4.50966426

Pd₁₆Bi₇

Pd	10.19701148	7.62171216	6.91362758
Pd	12.39066922	8.97508217	6.95291945
Pd	12.25169834	6.04750691	6.87378289
Pd	8.81704425	7.60069528	9.34111325
Pd	10.19402728	9.81140974	8.39573125
Pd	9.92527823	5.30332567	8.23313230
Pd	6.12193885	7.79484195	8.70459326
Pd	7.90943735	6.59572113	6.89637951
Pd	7.88630127	4.01451074	6.87357558
Pd	5.55159744	5.63049401	6.89050577
Pd	6.14497203	7.82390753	5.10969820
Pd	5.77784744	10.02133787	6.92154676
Pd	8.12561998	9.13659775	6.93134554
Pd	8.84081490	7.68190440	4.48813206
Pd	10.20162498	9.87617544	5.51873167
Pd	9.93489968	5.34645767	5.52134376
Bi	7.52754614	9.96797575	9.34970964
Bi	11.53715514	7.44027793	9.16689120
Bi	7.27436978	5.36742942	9.21882888
Bi	7.31453636	5.41906145	4.54393951
Bi	11.55874768	7.57564652	4.66474508
Bi	7.53241690	10.03406535	4.53098964
Bi	4.21572426	7.92332025	6.89524622

Pd₁₆Bi₈

Pd	7.32260885	7.96019201	10.89291351
Pd	8.62246443	6.07628984	9.48908071
Pd	8.42487939	6.26206379	6.01923888
Pd	4.53244211	7.79647803	7.67082237
Pd	7.06310389	4.70945561	7.78362220
Pd	6.84706113	8.15576513	4.85033086
Pd	7.21926617	7.75478816	7.84302722
Pd	6.02671218	9.57235263	9.21341663
Pd	8.73286800	9.57047485	9.34599748
Pd	7.47602903	11.44020689	7.95943628
Pd	11.26786572	9.37351313	6.09670550
Pd	11.38762670	6.16222587	9.25782711
Pd	11.45463663	9.29007028	9.15370180
Pd	9.87940622	7.70290464	7.70967186
Pd	11.15468578	6.27811171	5.83090870
Pd	8.55511173	9.56889689	6.34461110
Bi	5.79584497	6.25994932	9.60804565
Bi	9.85707529	4.61529837	7.62094384
Bi	5.68840628	6.09273225	6.00944905
Bi	10.05947613	7.83460169	10.94745460
Bi	5.79689039	9.96064275	6.55118876
Bi	9.61890726	8.04688547	4.41448234
Bi	12.69701105	7.65572345	7.50046085
Bi	10.17671781	11.21629350	7.76943316

Pd₁₆Bi₉

Pd	11.66623096	9.20716593	9.07645659
Pd	8.39528475	9.17920216	6.20233875
Pd	9.81737595	7.66009318	7.88712030
Pd	11.23475925	9.17234544	6.16466475
Pd	7.22037508	10.79878435	8.02309618
Pd	8.90448790	9.39531928	9.67727254
Pd	4.93774558	8.99848843	7.90865730
Pd	6.18047622	7.71141889	5.97407497
Pd	11.24168463	6.26633796	6.07857976
Pd	11.68095166	6.08806320	9.00642988
Pd	8.40413764	6.24690291	6.11704092
Pd	8.91937917	5.83993271	9.62810585
Pd	4.93972426	6.32212744	7.84322766
Pd	7.64207279	7.59187877	11.20868174
Pd	7.24601263	4.53806062	7.88649057
Pd	7.23427701	7.64381806	8.40783375
Bi	9.96279189	10.88111103	7.75049895
Bi	13.03549480	7.69117085	7.39926336
Bi	6.19743147	9.57383947	10.13902690
Bi	9.78645054	7.77225504	4.41838942
Bi	9.98087294	4.48170359	7.59649686
Bi	10.51585010	7.60250899	10.89922918
Bi	6.20265109	5.65411095	10.05064337
Bi	5.92123498	10.28179981	5.78115517
Bi	5.95209216	5.14430526	5.66788129

Pd₁₆Bi₁₀

Pd	8.71745680	9.77132911	8.65052122
Pd	8.49845727	8.64109936	5.10000571
Pd	9.99446446	10.56082669	6.39215526
Pd	5.94345674	7.03202368	9.70851133
Pd	5.79282963	5.65740907	7.10837967
Pd	7.39858737	7.77700334	7.53403345
Pd	5.90238313	9.75726268	8.61993000
Pd	5.74081142	8.49952308	5.64698117
Pd	8.64679156	5.46848612	7.16945474
Pd	9.95247731	6.27344132	4.91846810
Pd	8.72161252	6.92691191	9.69310833
Pd	11.01911932	8.49578234	9.61124534
Pd	12.37558731	9.35776067	7.32685995
Pd	12.39871249	6.63134689	6.38976196
Pd	10.01357722	7.83747352	7.21879345
Pd	11.06728632	5.90350973	8.72405370
Bi	11.01148855	11.07304561	8.83564878
Bi	7.25206224	10.61596400	6.45700436
Bi	11.28365270	8.63828608	4.97276216
Bi	7.20625971	6.29522110	4.92847085
Bi	4.34067249	7.77660144	7.79801703
Bi	7.37159307	9.00354947	10.77038288
Bi	7.19237744	4.74468340	9.23020505
Bi	10.73103086	6.47105145	11.29379357
Bi	13.31612457	7.35474772	8.80547178
Bi	10.97496475	4.38464467	6.53727182

Pd₁₆Bi₁₁

Pd	8.54632760	5.88635928	6.27589511
Pd	8.03239681	8.47674014	5.81742440
Pd	8.60418973	10.48293070	8.03732222
Pd	7.52657031	8.00254993	8.43615972
Pd	5.93634985	6.11242744	7.24986829
Pd	5.37598559	8.62626928	6.22485130
Pd	5.90186617	10.25534158	8.48187749
Pd	11.26703406	6.43970266	5.96167396
Pd	9.17972034	5.85928307	8.88807293
Pd	10.05255811	8.21809814	7.68788146
Pd	9.71437008	10.57086106	5.64549788
Pd	12.13949447	9.11720586	5.95971903
Pd	8.76557478	7.64586954	10.81314502
Pd	12.66005605	8.79832760	8.77637996
Pd	10.30585770	9.85903708	10.03880609
Pd	11.84836885	6.11852712	8.58151759
Bi	7.39219358	3.99214922	7.83200787
Bi	6.42357780	6.61331363	4.73406722
Bi	4.61506254	7.94755781	8.66551822
Bi	6.86368944	10.86076191	6.04271909
Bi	7.64700262	10.00449449	10.49447524
Bi	6.67136073	5.98468285	10.13225814
Bi	10.55408987	4.19779536	7.21935899
Bi	10.21388925	8.24023124	4.37769952
Bi	11.34654958	10.88329109	7.78468921
Bi	13.62646156	7.16361509	6.93675545
Bi	11.37911051	7.52723485	10.71241200

Pd₁₆Bi₁₂

Pd	8.36546370	10.13898180	8.31586642
Pd	8.42115213	7.80946519	9.67808534
Pd	8.60111536	5.30402336	8.03178853
Pd	7.30010285	7.60927882	7.15527428
Pd	5.76216858	9.78998095	7.85696537
Pd	5.65197241	7.58492215	9.59857779
Pd	5.86519127	5.35237056	7.88361325
Pd	10.91113839	9.39239411	9.02177819
Pd	9.00910953	9.71173714	5.76648535
Pd	9.94899701	7.56613727	7.34040772
Pd	9.85432848	5.60260749	10.33115301
Pd	12.05372601	6.98218209	9.41944052
Pd	8.44385325	7.30964401	4.71267162
Pd	12.56213108	6.72616641	6.67023931
Pd	10.08044530	5.28382165	5.77540951
Pd	11.66608951	9.44755481	6.30344553
Bi	7.21436093	11.67488484	6.49374969
Bi	6.74309340	9.85096815	10.41084745
Bi	4.48909868	7.52498564	7.23666633
Bi	7.10132041	5.49231794	10.27033480
Bi	7.36237442	5.11703417	5.67498548
Bi	6.38257661	9.10547889	5.03342733
Bi	10.49926231	11.71695980	6.99755186
Bi	11.32872106	4.84056207	8.10262111
Bi	13.43065938	8.79917385	8.09977098
Bi	11.05276552	7.49231904	4.64462686
Bi	10.50337678	8.03553649	11.28307872
Bi	9.84123374	11.61002923	9.93341281

Pd₁₆Bi₁₃

Pd	10.28052993	12.36033414	7.80697866
Pd	11.26198204	6.61799522	8.37423471
Pd	9.40699898	10.18409501	6.48300382
Pd	12.11732066	10.23105069	8.26219486
Pd	8.20871831	10.95631445	8.95887679
Pd	11.55554240	8.57871364	6.17630557
Pd	9.84674954	8.83626366	8.97747255
Pd	7.55509787	8.35406359	10.26898624
Pd	8.17738807	6.31684842	8.48869403
Pd	7.38944733	8.71460262	7.54060484
Pd	6.88694822	10.29319893	5.36034090
Pd	5.72154758	10.98449475	7.80879326
Pd	4.96139726	8.56515746	9.12721574
Pd	5.66344838	6.47957414	7.37716686
Pd	6.75326194	7.56010605	5.10200094
Pd	9.28370327	7.22905643	6.23510168
Bi	10.56521426	11.21777458	10.18928347
Bi	11.49050440	5.82174673	5.78947029
Bi	9.68058829	6.45347808	10.66191671
Bi	11.79688568	11.27814863	5.89481009
Bi	13.57474949	7.97648892	7.75553401
Bi	7.74887342	12.39631742	6.74798180
Bi	6.06984342	10.58339056	10.41403008
Bi	4.78470453	8.86533967	6.46090294
Bi	5.94640682	6.25470018	9.99116648
Bi	7.57987676	5.15604744	6.01815629
Bi	8.92568608	8.87359050	4.20991616
Bi	9.94628780	4.29765071	8.00042732
Bi	12.18205927	8.32776083	10.40463139

Pd₁₆Bi₁₄

Pd	8.65438333	7.91425285	5.47108683
Pd	11.36335409	10.39542428	7.27130680
Pd	7.07141076	9.79439307	9.34146969
Pd	8.10450200	6.16425271	7.54162296
Pd	6.39388840	8.46581828	6.98424395
Pd	8.53478978	10.45523074	6.79235485
Pd	5.36980095	6.08390049	7.80853137
Pd	11.21701980	7.76639799	6.23922742
Pd	7.62578497	12.36322301	8.73649569
Pd	9.32571672	8.37129424	8.31007186
Pd	9.71479272	10.83619180	9.29392338
Pd	6.68329108	7.24924500	9.76360948
Pd	10.30229513	8.76971580	10.87633907
Pd	12.10902746	8.20380902	8.89537824
Pd	9.16686010	6.42129505	10.18067009
Pd	10.71840058	5.75555827	8.15399665
Bi	6.92617713	9.85945464	4.71360766
Bi	9.90145465	5.50348285	5.60856544
Bi	5.74893488	11.13069794	7.32558748
Bi	9.89849548	12.65472865	7.31005785
Bi	6.48434139	6.28900208	5.37789283
Bi	4.55601267	8.53155793	8.92512308
Bi	10.41340815	9.88350945	4.79227813
Bi	8.31458464	10.81710391	11.48626243
Bi	7.28243167	4.66105594	9.50393850
Bi	13.63599243	9.03391187	6.77312537
Bi	12.24944342	10.58343830	9.94717392
Bi	11.79535602	6.27579651	10.63312268
Bi	7.87015061	7.90108119	11.99078877
Bi	13.22324311	6.14436808	7.36328374

Pd₁₆Bi₁₅

Pd	10.38153309	6.04221043	7.85056407
Pd	6.45203000	6.38258992	7.97764480
Pd	9.14433063	9.82295251	6.49950328
Pd	11.58454736	7.38016405	9.89102091
Pd	11.43508185	8.19848077	6.43096081
Pd	8.45011681	7.23315087	6.13713732
Pd	13.16312877	9.09138495	8.34775052
Pd	8.65863952	7.91026299	8.84172616
Pd	6.52130414	9.11532884	6.98685450
Pd	10.59352130	9.73542777	8.74876458
Pd	7.88430614	10.54763888	9.10856189
Pd	5.98030863	8.36717712	9.82056885
Pd	9.68119627	9.07475128	11.13820335
Pd	9.67970592	12.13712712	7.79888683
Pd	7.80244486	7.23973502	11.50012994
Pd	8.44702838	5.36721052	9.62832545
Bi	10.65408680	5.89552728	5.14984511
Bi	10.99384972	4.63991688	10.03663988
Bi	9.79774849	8.67902526	4.24424284
Bi	5.93171977	6.98452054	5.37279406
Bi	13.05147853	6.45265592	7.78006131
Bi	11.76958367	10.82806789	6.60843445
Bi	8.20532303	4.59650105	7.02702350
Bi	7.25387193	11.68795226	6.67552361
Bi	12.35017210	9.74344757	10.85963969
Bi	5.86847883	5.76197944	10.49651327
Bi	5.16462265	10.72352995	8.84934762
Bi	10.25928882	6.61602223	12.18034981
Bi	7.13363873	9.87526273	11.68973709
Bi	9.85739823	11.77204466	10.49688505
Bi	4.16709652	7.87348082	7.76135408

Pd₁₇

Pd	7.73276648	6.82541920	7.30007735
Pd	6.48235689	9.37672696	7.31661518
Pd	7.76001878	8.77805373	5.15400544
Pd	11.03131372	5.58499892	7.26928929
Pd	9.10924690	9.27799977	7.30841183
Pd	9.74648749	7.25317835	5.81789389
Pd	7.76946830	8.73326021	9.45117617
Pd	9.76513949	7.22225078	8.76286709
Pd	7.69220456	6.28479610	10.18869077
Pd	8.92402391	4.72210080	8.52475141
Pd	7.69669772	6.33401751	4.36721246
Pd	5.68947712	7.32447154	8.71739169
Pd	5.71333253	7.35407210	5.86312159
Pd	6.43585042	4.80891194	6.02315247
Pd	4.35047054	5.68445732	7.24548063
Pd	6.40665263	4.78403718	8.53196394
Pd	8.93785851	4.74948063	6.00951422

Pd₁₇Bi

Pd	7.81073453	5.07905570	5.47547497
Pd	9.40572844	8.95826358	6.30983937
Pd	8.27327586	7.50667269	4.43400876
Pd	10.08119658	5.87288038	8.58075199
Pd	7.87115411	4.69579138	8.07230820
Pd	7.53355052	7.02103005	7.19678821
Pd	9.88599960	6.40422971	6.11999113
Pd	5.54943673	5.01195718	6.82526990
Pd	11.37344789	7.90254525	7.53653521
Pd	5.82318223	6.84903737	5.01199640
Pd	9.17243151	8.22916702	8.82084596
Pd	8.05523733	6.29567088	10.18626178
Pd	7.92065948	10.27719892	7.99486566
Pd	5.36853106	10.05805985	7.82458030
Pd	6.59988693	8.34210311	9.31343351
Pd	6.83696009	9.07495161	5.95708966
Pd	4.95936343	7.52693022	7.37638431
Bi	5.63375704	5.77585365	9.34399868

Pd₁₇Bi₂

Pd	8.09446911	9.10448856	9.68762746
Pd	9.76538176	9.91525747	7.77561461
Pd	8.93549855	8.73780762	5.50376354
Pd	7.15770594	9.75048506	7.31409328
Pd	4.72742546	8.70966756	6.85494034
Pd	9.50841473	7.41779121	8.37718706
Pd	6.42488781	8.90360065	4.92459754
Pd	7.25065311	6.52206266	9.47979716
Pd	11.28671821	5.67762775	7.63401327
Pd	9.53926812	6.16176790	5.81169801
Pd	8.87046340	4.89966460	8.08199886
Pd	7.08988423	4.94449914	6.13013955
Pd	6.43943983	4.25759021	8.49893694
Pd	7.26876573	7.27416029	6.95584834
Pd	5.04026296	6.31131844	7.92832588
Pd	5.21019651	6.58136090	5.36045408
Pd	7.61592433	6.66782231	4.25725547
Bi	5.55664299	8.58723646	9.30806696
Bi	11.28630023	8.08904085	6.47779130

Pd₁₇Bi₃

Pd	10.83558493	7.87539710	8.52748104
Pd	9.20620513	9.75899466	7.46968734
Pd	10.92857941	5.72571524	6.87843393
Pd	9.52257857	6.26697617	4.70464519
Pd	8.67538168	7.24241062	6.97841289
Pd	8.36497638	8.02236002	9.37576686
Pd	6.88284688	10.07560675	8.86920963
Pd	8.54130780	8.84269005	4.86927664
Pd	9.42659227	5.66502544	9.00043025
Pd	4.42744547	6.32326838	8.17521650
Pd	6.92853028	5.85718258	8.54597532
Pd	4.45220163	6.98362098	5.61916107
Pd	5.86341102	8.91545839	4.63462611
Pd	6.99349775	6.58975381	5.03724636
Pd	6.15553986	8.23652000	7.19030123
Pd	8.32464106	4.71361434	6.61576732
Pd	5.80453570	7.83775011	9.76159718
Bi	10.97652605	8.26843229	5.90198405
Bi	7.04158391	10.60721080	6.25396688
Bi	5.66467970	4.75947711	6.44589606

Pd₁₇Bi₄

Pd	4.99703392	5.95548848	4.74851673
Pd	5.00584078	8.51768025	4.80749526
Pd	7.29817488	9.45198575	5.73581678
Pd	7.33565593	7.21569580	4.45826251
Pd	10.78409075	7.19609258	7.06845609
Pd	7.25402196	4.94625988	5.68248871
Pd	9.64097793	5.92853225	4.90434037
Pd	8.25409000	7.17287029	7.03771585
Pd	9.65712384	8.46754482	4.89108566
Pd	5.67621492	7.19422560	7.01150160
Pd	9.57454098	8.40972608	9.25579214
Pd	9.57627567	5.87368630	9.16465373
Pd	7.25070086	9.40733636	8.37299766
Pd	4.93666096	8.44791288	9.23612795
Pd	7.21421317	4.89184478	8.31701304
Pd	4.92232386	5.88073772	9.20079143
Pd	7.25234658	7.13313247	9.59199507
Bi	9.60398615	9.83020592	7.09181698
Bi	9.54453242	4.45383836	7.01584488
Bi	4.91808352	4.51866544	6.95198895
Bi	4.97993912	9.90059084	7.04218562

Pd₁₇Bi₅

Pd	8.24632758	9.42205944	7.36064035
Pd	10.07436979	9.15567460	5.30664661
Pd	9.81090074	7.08427585	6.81619751
Pd	12.35450990	8.19326020	6.41126832
Pd	8.63755905	7.20194408	9.09303964
Pd	11.37229957	6.94125997	9.02289720
Pd	9.80416579	4.93656405	8.22960023
Pd	8.50954470	7.05803258	4.50301229
Pd	7.52580599	4.40419243	7.25249055
Pd	9.47872181	4.73550306	5.51719572
Pd	7.17595833	7.02760972	6.83626334
Pd	5.72236901	9.67628936	6.64272215
Pd	6.38832243	8.59366201	8.99854218
Pd	5.64198635	7.45129781	4.81065672
Pd	5.06612332	5.07258552	6.66510170
Pd	6.27396272	5.93734822	8.97743450
Pd	11.11786643	6.68822423	4.57227525
Bi	12.00797092	5.50072331	6.80213926
Bi	10.72925505	9.33299438	8.14928280
Bi	6.85027922	4.99350030	4.70150566
Bi	7.46025364	9.49329727	4.69797419
Bi	4.50057266	7.47890584	7.46931784

Pd₁₇Bi₆

Pd	4.40908342	6.44522080	6.83643860
Pd	6.86338417	7.15093689	6.84270728
Pd	6.63626545	4.60594616	6.84091427
Pd	5.17389220	8.68523310	5.40813946
Pd	8.71679484	5.79255737	5.43357001
Pd	9.20133343	8.03851950	6.84196818
Pd	7.78694739	8.26297688	4.45237227
Pd	9.44139392	10.31523895	5.42188126
Pd	11.05059091	6.27206418	6.85183654
Pd	8.71457047	5.79153267	8.25518418
Pd	7.79153612	8.25970447	9.23308335
Pd	5.17908758	8.67349871	8.28721190
Pd	11.51133034	9.13371815	6.83486459
Pd	9.44392938	10.31827997	8.25243309
Pd	5.14614206	11.04353135	6.86401802
Pd	7.25927475	9.61378690	6.84614273
Pd	7.85215400	12.09914710	6.83550788
Bi	6.79654429	10.82199930	4.55558636
Bi	10.49213491	7.81852449	4.55837852
Bi	6.04890824	6.14351477	4.55053584
Bi	6.05891011	6.12703705	9.13238767
Bi	10.49661475	7.82858962	9.12553045
Bi	6.81180375	10.82247859	9.14042197

Pd₁₇Bi₇

Pd	8.78300478	8.25002627	4.46928002
Pd	5.64803621	10.52703490	6.90059804
Pd	6.08573405	8.27828754	5.08309633
Pd	10.02970806	5.97700298	5.50599462
Pd	7.96060183	7.02989664	6.87655458
Pd	8.06213285	4.47356608	6.83593226
Pd	6.13381152	8.23864899	8.70000873
Pd	5.62598576	6.05130251	6.87439630
Pd	10.00035298	10.55223688	5.48136003
Pd	7.95073716	9.48945425	6.87577100
Pd	8.07556451	12.04682663	6.85702012
Pd	10.00352743	10.56442445	8.23595199
Pd	10.17250686	8.27236739	6.86979106
Pd	8.82152479	8.24956324	9.27959507
Pd	10.04174023	5.96633679	8.22419832
Pd	12.31228714	6.83291110	6.89272102
Pd	12.27151430	9.77347261	6.85189250
Bi	7.37938838	10.61385274	4.52723728
Bi	4.20409071	8.30309264	6.91793298
Bi	7.35547765	5.91525483	4.53828985
Bi	7.43686972	5.87091985	9.20706601
Bi	11.51705470	8.25191145	4.61380200
Bi	11.53688644	8.30600310	9.11876917
Bi	7.39430486	10.60639468	9.22647674

Pd₁₇Bi₈

Pd	9.83050068	8.97937016	4.90855178
Pd	7.95340675	7.15263145	4.46509647
Pd	8.80105127	5.41723597	6.41549302
Pd	5.49453011	8.01097174	5.15856087
Pd	7.48357608	9.65573111	5.63280449
Pd	5.43755467	9.46895913	7.45232554
Pd	6.91720025	5.30161522	8.45541626
Pd	7.33193049	7.61283598	7.12588595
Pd	4.60425572	6.87376200	7.42629163
Pd	12.00805557	9.39318810	8.10804293
Pd	11.52738170	5.45188448	6.94655885
Pd	12.33041521	8.02281980	5.63021118
Pd	8.56745374	7.22386125	9.40079152
Pd	9.97696346	7.71362308	7.21580163
Pd	11.27259306	6.93454224	9.50217537
Pd	7.55367656	9.79243953	9.24592793
Pd	9.45659605	10.30426327	7.30916064
Bi	10.57171203	6.33536654	4.56476586
Bi	6.19516349	5.50307942	5.80880351
Bi	5.89496785	7.73521358	9.52846861
Bi	7.10526695	11.58181127	7.36228019
Bi	9.69008744	4.82434571	8.84308668
Bi	10.09399218	9.38182716	9.91853063
Bi	13.33471122	7.13459222	7.86806129
Bi	11.67625015	10.61411996	5.79760908

Pd₁₇Bi₉

Pd	6.00173939	9.81699124	6.14409298
Pd	5.64015903	6.99943133	9.05800767
Pd	5.99977870	9.85988436	9.06274508
Pd	8.20215108	6.17520210	9.17731104
Pd	8.18505240	6.17249929	6.11528774
Pd	7.87844215	8.38256657	7.64687062
Pd	5.62023414	6.95701800	6.20347048
Pd	9.35143611	4.32835096	7.64073180
Pd	9.91616916	7.78514951	4.81114594
Pd	8.75563222	10.16138366	5.49435270
Pd	10.15581551	6.95122855	7.62581888
Pd	8.77836568	10.21763090	9.70442720
Pd	12.31356884	7.55409921	8.93404307
Pd	9.93945021	7.83931767	10.40341515
Pd	10.24182112	9.54741389	7.60405119
Pd	12.30023258	7.53321240	6.28578858
Pd	12.87409788	9.84958489	7.58795011
Bi	7.28850268	8.24568282	10.75116497
Bi	6.45036753	4.83336069	7.65703090
Bi	7.26274869	8.17315474	4.47424188
Bi	4.17060954	8.63359209	7.61447043
Bi	11.50380193	9.85716555	5.26942503
Bi	10.82859875	5.37401873	5.56867358
Bi	7.59687933	11.35933640	7.58304515
Bi	11.53038613	9.90116219	9.91825015
Bi	10.84488488	5.40007126	9.69070244

Pd₁₇Bi₁₀

Pd	9.01717107	6.44106531	9.20550748
Pd	10.00012393	4.38335774	7.73963348
Pd	11.41053167	7.89839849	9.75710251
Pd	12.06658237	6.03841788	7.95801700
Pd	6.22200473	6.44882673	9.41156701
Pd	6.18199356	9.34349009	9.49528352
Pd	9.01065291	9.36100061	9.35164800
Pd	5.84676877	6.32109455	6.44850650
Pd	8.58316122	9.83690829	5.90942101
Pd	7.59639688	7.98331665	7.63052678
Pd	5.79215619	9.47510298	6.41356019
Pd	10.06103372	11.23565221	7.75390581
Pd	10.03954590	7.87318965	4.61003680
Pd	8.64375798	6.07624692	6.10728516
Pd	10.23947288	8.05133952	7.27395071
Pd	12.70773706	7.83359378	5.98699873
Pd	12.36662015	9.78871491	7.99699914
Bi	7.33793537	4.60233395	7.89785058
Bi	11.18086789	10.58580664	10.18513296
Bi	11.08528666	5.18851062	10.21073963
Bi	13.91381713	7.76916766	8.48038701
Bi	7.75555777	7.84465222	11.09353600
Bi	7.35557491	11.11123283	7.90346364
Bi	7.18737330	7.88711919	4.69285646
Bi	4.48077289	7.89486484	8.09526631
Bi	11.22104478	5.60399910	5.52781040
Bi	11.26982049	10.08839730	5.61308867

Pd₁₇Bi₁₁

Pd	9.23526817	9.53212942	6.50163907
Pd	6.70925407	8.81915567	5.69308236
Pd	9.11749998	5.25126778	8.80979732
Pd	10.44348255	7.37636186	7.62639352
Pd	12.28049687	8.34114722	9.45343228
Pd	12.08032339	9.35830232	6.73850563
Pd	11.90996145	6.60743712	5.53084102
Pd	11.96781818	5.41865506	8.45866278
Pd	9.00265167	6.96455031	5.42098965
Pd	9.02444257	11.50878633	8.41285203
Pd	7.84989684	7.50160923	7.83698896
Pd	7.52809806	4.98474575	6.57065979
Pd	5.33489534	6.71297959	6.88318719
Pd	9.58197599	9.04893377	9.43489781
Pd	5.58324672	8.02543520	9.45451358
Pd	7.98599534	7.10715790	10.56722139
Pd	6.90149703	9.97923956	8.12294064
Bi	10.71881571	11.79376063	6.26280789
Bi	10.72826023	8.73914767	4.44521151
Bi	13.59227660	7.26598551	7.44552634
Bi	10.25277162	4.69586901	6.44198458
Bi	10.63246318	6.59581010	10.54551916
Bi	11.57379762	10.85503971	9.03697783
Bi	7.46324805	11.48087507	5.99874119
Bi	6.55154491	6.44029074	4.53064978
Bi	6.40535303	5.50563284	9.02413924
Bi	4.53634628	9.20164274	7.25803427
Bi	7.34297454	9.71981579	10.70871996

Pd₁₇Bi₁₂

Pd	9.30242871	7.63868836	9.84977548
Pd	7.23824924	4.74186877	8.20030337
Pd	7.67253634	9.56116767	8.75776051
Pd	6.45843066	7.17359507	9.50798937
Pd	8.20262601	7.16762746	7.45308273
Pd	6.80476495	6.05654461	5.53457435
Pd	6.88661637	10.94006557	6.27792728
Pd	5.93380013	8.48393985	6.91324517
Pd	10.13462649	10.72625655	8.49974416
Pd	11.61432113	10.32163282	6.23435412
Pd	11.65089381	8.89939124	9.93323827
Pd	9.95030022	5.36818669	8.63147662
Pd	10.67260158	7.95581471	7.58157674
Pd	9.04372611	9.41845751	6.25662416
Pd	13.29454106	8.33002182	7.48615781
Pd	11.58349305	5.71358066	6.47858791
Pd	9.50149109	7.01384168	5.09666330
Bi	8.16096884	5.42295314	10.61730161
Bi	5.16229515	9.49968973	9.66581355
Bi	9.23278007	10.00812671	10.93787669
Bi	5.04037435	6.08342365	7.55703519
Bi	7.24922104	8.53933447	4.54694159
Bi	12.84045120	10.73969607	8.51351137
Bi	12.01608532	7.98165231	5.11227229
Bi	12.37795853	6.38142389	9.08186564
Bi	9.05460871	4.62175617	6.20427191
Bi	7.65746126	12.19094916	8.50999667
Bi	9.52389854	12.01458235	6.03771468
Bi	4.42324172	10.70190672	7.06931966

Pd₁₇Bi₁₃

Pd	7.65491636	5.60959674	7.92031113
Pd	7.58843082	7.04296815	10.23565987
Pd	9.31354848	7.70045181	8.21652589
Pd	7.28796700	7.91984367	6.38065896
Pd	7.31799983	9.57692727	9.03348999
Pd	6.35115610	10.44359263	6.56982816
Pd	4.49155979	9.86407746	8.47762844
Pd	5.56559346	5.83830432	6.18682185
Pd	5.54323399	7.31263450	8.47228011
Pd	9.92577443	7.76496989	5.51617707
Pd	11.97059861	6.55784212	8.80392355
Pd	10.20660597	5.36429976	6.90381347
Pd	10.11696483	9.86098910	9.60832385
Pd	11.72981085	8.96647785	7.52569041
Pd	10.25318819	7.50011328	10.85899256
Pd	9.17264996	10.16307482	6.88031566
Pd	8.67904776	11.98009509	8.88367368
Bi	5.31017041	4.74034931	8.60956426
Bi	8.16501714	5.64817596	5.22247824
Bi	8.38109091	9.30732842	11.56631606
Bi	6.00778582	12.03028519	8.77463437
Bi	4.59798747	8.40900314	6.20411686
Bi	5.36894871	8.66208008	10.71692974
Bi	8.01165151	9.63724315	4.46380768
Bi	12.32728294	6.76025642	6.15729531
Bi	9.75802761	5.25478947	9.55423933
Bi	12.47873446	8.81160408	10.14005466
Bi	11.27604916	11.69608388	7.96738585
Bi	11.22060785	10.16601129	5.13468981
Bi	8.01246458	12.55496927	6.36599064

Pd₁₇Bi₁₄

Pd	9.76386239	8.24536849	6.32190780
Pd	6.23640692	10.08223104	6.44418124
Pd	7.05548266	6.54823231	9.17083268
Pd	11.24377553	8.73956668	8.53312600
Pd	9.33941055	5.93454045	7.82797994
Pd	6.99435663	7.37928576	6.61246328
Pd	11.40599963	6.12212206	9.51470000
Pd	8.86845262	10.79253372	6.23955410
Pd	4.80123569	6.16323304	7.84179962
Pd	8.16976674	9.16452175	8.31876694
Pd	5.18997894	8.75404047	8.53351939
Pd	9.26168804	7.46524509	10.32595663
Pd	6.91820229	9.04686280	10.79916115
Pd	6.22193400	11.14946880	8.94292759
Pd	9.61402031	10.03857186	10.46271679
Pd	7.21019261	6.49404056	11.83302077
Pd	8.86711314	11.88737699	8.71066108
Bi	8.79500991	5.90352034	5.16758773
Bi	11.44174088	10.36241429	6.27273503
Bi	6.95456427	4.57385181	7.27813430
Bi	4.48765033	8.10268619	6.03299426
Bi	11.83126823	6.62865355	6.92214056
Bi	8.93622705	4.83395523	10.26448639
Bi	7.80702900	8.99842998	4.54705303
Bi	4.82657146	7.06242540	10.60293187
Bi	11.73291445	8.27703414	11.10032085
Bi	7.01343605	12.62117408	6.89041343
Bi	4.45347725	10.18492356	10.69783959
Bi	11.43313227	11.45885443	9.07577103
Bi	7.58995155	11.71729303	11.11735601
Bi	8.72953874	8.58171410	12.70230982

Pd₁₇Bi₁₅

Pd	10.03171192	7.47450443	5.85542119
Pd	6.13332182	8.51839840	6.48835155
Pd	8.91602004	6.93301713	9.86006544
Pd	11.73409040	9.20138632	7.12072188
Pd	10.78165870	6.00809172	8.11417844
Pd	7.83125639	6.41216427	7.33503138
Pd	12.99677199	7.41610573	8.77863508
Pd	8.28693704	9.39786651	5.20076503
Pd	6.59396604	5.58912887	9.81430787
Pd	8.94171591	8.91368379	7.87140635
Pd	6.35236391	8.18000731	9.24550070
Pd	10.98346270	8.73419667	9.90373115
Pd	8.38946967	9.87644185	10.39584743
Pd	6.71843155	10.67662038	8.06486305
Pd	10.51149365	11.10852463	8.92997439
Pd	9.68254192	8.16128758	12.14514401
Pd	8.98585046	11.45303597	6.76732780
Bi	9.58758903	4.77949646	5.95466142
Bi	10.75886571	9.88596413	4.64151128
Bi	8.77850949	4.32767579	8.91131228
Bi	5.15879598	6.28044236	7.65628975
Bi	12.58167792	6.76799292	6.22800446
Bi	11.38311058	6.25423475	10.74487659
Bi	7.48007945	6.93836807	4.69522455
Bi	7.07641771	7.73912785	11.74278043
Bi	13.17490496	10.11362676	9.17154407
Bi	6.45462775	11.20887604	5.52892492
Bi	5.72209826	10.53188869	10.61837617
Bi	11.64829414	11.95026266	6.67981521
Bi	8.23592159	12.45166068	9.30234353
Bi	10.57714894	10.71101681	11.64894282
Bi	4.21521627	9.53512740	8.12664730

Pd₁₈

Pd	7.79421487	7.43215321	7.31383298
Pd	8.60836146	5.69385919	8.99442394
Pd	9.78612711	9.46142939	7.28244908
Pd	7.17472422	7.50292375	4.39192358
Pd	5.37624299	8.30161565	8.52579369
Pd	7.19210285	7.48993385	10.18449026
Pd	6.01389315	5.81744955	8.58210395
Pd	7.54165059	9.61875618	8.64787457
Pd	7.49188800	9.56831641	5.99527197
Pd	9.56547213	8.06801268	9.43658268
Pd	6.02055369	5.83085523	6.02936715
Pd	10.00097901	4.49002893	7.25779967
Pd	9.55657611	8.10260937	5.10930730
Pd	5.29948611	8.28180105	6.00140881
Pd	10.43844576	6.99944360	7.26482570
Pd	7.44492742	4.06993643	7.28998530
Pd	3.90412779	6.57682768	7.31052404
Pd	8.59429013	5.73269983	5.57344789

Pd₁₈Bi

Pd	8.36922666	4.30618419	8.55605538
Pd	9.70971186	6.29395738	4.85071609
Pd	10.46266375	7.87403227	6.89273353
Pd	6.86845772	6.38698844	9.18493191
Pd	5.63094527	6.45300772	6.26310571
Pd	5.89056905	4.44731217	7.86174403
Pd	7.75994307	4.82288412	6.03254510
Pd	8.89325653	8.79313072	5.01019272
Pd	8.23078516	9.60906870	7.44032581
Pd	6.40816121	8.98276877	5.57740533
Pd	5.89446234	8.64653200	8.18023495
Pd	7.80131304	8.67972685	9.82097463
Pd	7.98858919	7.15039877	6.96300843
Pd	9.46774581	6.69135530	9.13436404
Pd	4.07939503	8.41824261	6.49155691
Pd	7.23690951	6.83083066	4.32911569
Pd	4.37966838	6.59246884	8.46649246
Pd	10.19652562	9.18557079	9.10117707
Bi	10.34661630	5.17936547	7.09896377

Pd₁₈Bi₂

Pd	9.48438510	8.27350004	9.19963634
Pd	9.24302046	6.98182884	6.81602817
Pd	7.08037146	8.87807436	8.47072283
Pd	9.41245174	5.76143799	4.45277103
Pd	8.89593557	4.53648835	6.82272546
Pd	8.03558818	6.09586181	9.03650070
Pd	9.09588403	9.52792704	6.83037756
Pd	10.59701215	5.85877660	8.66476695
Pd	10.60858432	8.12619766	4.89289627
Pd	11.43905564	5.76976763	6.13216792
Pd	5.50872043	6.66919998	8.99167932
Pd	6.58312087	9.62195911	5.92130555
Pd	6.91773602	5.17626666	5.15068059
Pd	5.45252650	7.54517708	4.66432904
Pd	6.82440537	7.06260666	6.84122144
Pd	4.61662171	8.43304361	7.18139200
Pd	8.02507386	7.89346018	4.71813925
Pd	6.44877473	4.47163816	7.71334241
Bi	11.52600718	8.23531314	7.42830516
Bi	4.48405468	5.78487918	6.47206567

Pd₁₈Bi₃

Pd	7.47524311	5.16875110	5.61866090
Pd	7.26900808	7.33717040	4.35556179
Pd	10.77243357	5.55828113	8.60300806
Pd	11.25403360	8.16459968	8.70101400
Pd	9.89210815	7.25124701	4.62386427
Pd	9.98662915	4.91576981	6.07652507
Pd	9.40499399	7.21140755	7.05822196
Pd	8.30070373	9.29310289	5.65870052
Pd	11.91953560	6.74515344	6.46215560
Pd	5.06473803	6.37128554	5.42387355
Pd	8.82861271	7.19491573	9.50694664
Pd	4.61908559	7.48243813	7.92801580
Pd	6.98751085	7.31586058	7.17929483
Pd	6.37487293	6.14392261	9.64690021
Pd	8.23142737	4.97918981	8.10180086
Pd	9.00659391	9.56298355	8.27599884
Pd	5.55346251	8.91951154	5.68608181
Pd	6.65349111	8.68425933	9.38049150
Bi	10.96999889	9.26263742	6.23215560
Bi	5.56937054	4.84914753	7.52186710
Bi	6.65783409	10.42514318	7.46669159

Pd₁₈Bi₄

Pd	8.16800051	7.15922318	4.47451118
Pd	8.21804349	7.28360482	9.63763882
Pd	10.60219651	8.50880436	9.19858161
Pd	5.78384749	5.93402364	4.91356839
Pd	10.55875710	8.39141305	4.82933296
Pd	5.82728690	6.05141495	9.28281704
Pd	10.51923396	5.85753442	4.93741792
Pd	5.86681004	8.58529358	9.17473208
Pd	11.91412873	7.21302272	7.03731995
Pd	4.47191527	7.22980528	7.07483005
Pd	5.82815536	8.47139743	4.90438138
Pd	10.55788864	5.97143057	9.20776862
Pd	8.15461311	5.03284894	8.42208878
Pd	8.23143089	9.40997906	5.69006122
Pd	9.41979596	7.20425592	7.04947051
Pd	6.96624804	7.23857208	7.06267949
Pd	8.25679648	9.47130330	8.31524570
Pd	8.12924752	4.97152470	5.79690430
Bi	5.76459389	4.61634667	7.13569575
Bi	10.62145011	9.82648133	6.97645425
Bi	10.47595842	4.48644788	7.11083014
Bi	5.91008558	9.95638012	7.00131986

Pd₁₈Bi₅

Pd	10.70564239	6.71460802	4.90339117
Pd	10.65931941	5.39590359	7.09962896
Pd	8.35714110	7.96027904	4.49414940
Pd	10.46946898	8.53615097	9.46167837
Pd	11.89872558	7.91312609	7.20602175
Pd	10.42431022	10.35273876	7.56695156
Pd	9.40863175	7.74632333	7.11036176
Pd	8.16542135	5.36339520	8.13085492
Pd	8.35550135	5.62818077	5.61376985
Pd	6.04330415	6.71711716	4.67652059
Pd	8.19541241	10.03208925	6.04056392
Pd	6.97425667	7.68933896	7.07420691
Pd	8.13797191	9.56903406	8.76052183
Pd	8.03943924	7.29986951	9.91752004
Pd	5.73760528	8.63220853	9.39772760
Pd	5.90141646	5.18657165	6.70050134
Pd	4.46635514	7.78476529	7.07899782
Pd	5.92827559	10.37765660	7.50043988
Bi	10.32271122	5.96937684	9.59759354
Bi	10.68872015	9.31051345	5.12876548
Bi	5.73649025	6.06469271	9.13155140
Bi	5.77049870	9.24877907	5.10062426
Bi	8.18478682	11.98611178	7.75960955

Pd₁₈Bi₆

Pd	4.13132484	9.60697173	6.65830963
Pd	8.31310107	9.55104985	7.58004687
Pd	8.04062318	12.09234081	7.58606785
Pd	10.49101238	10.75221939	8.19280971
Pd	7.11591429	8.25770939	9.73322822
Pd	5.96192050	10.51450585	8.51294709
Pd	9.88343535	8.35883907	9.46975544
Pd	6.13484782	5.92874605	8.52992596
Pd	8.40851728	7.05001536	7.58318188
Pd	10.67394915	6.01209068	8.17231494
Pd	8.29564669	4.49587412	7.60911165
Pd	6.78224507	5.93212421	5.78072624
Pd	4.26694985	6.67295251	6.63727283
Pd	6.23993155	8.22444109	7.11300345
Pd	8.06267818	8.29212031	5.06200295
Pd	6.58779120	10.56184984	5.78753830
Pd	10.65251586	8.39225641	6.86879487
Pd	10.58975472	8.35178467	4.30772512
Bi	4.45580837	8.15588421	9.05054291
Bi	8.35492629	10.68934246	9.97953170
Bi	8.55754004	5.93472407	9.98886348
Bi	9.64294420	6.03259150	5.49819434
Bi	9.46002297	10.63568925	5.48027790
Bi	5.40819869	8.21948976	4.61284668

Pd₁₈Bi₇

Pd	4.16386221	8.32594764	7.68390856
Pd	6.84858441	8.44328367	7.46264523
Pd	5.92892486	10.84915998	7.88881518
Pd	7.90900149	7.18150390	9.75294304
Pd	7.98174387	9.89909692	9.42358513
Pd	10.58487483	10.62609422	8.77185375
Pd	10.21106915	6.21677591	8.83834020
Pd	5.44304477	6.82658598	5.86558247
Pd	5.82608624	6.17264883	8.37377078
Pd	7.52740679	7.96883080	4.79520284
Pd	7.89268324	10.34587323	5.93953093
Pd	10.25347977	11.39997963	6.10484415
Pd	9.95633622	8.88156192	5.02958437
Pd	12.03896548	8.14722389	8.86199475
Pd	9.91925846	4.53245748	6.76611198
Pd	11.23809269	6.89834001	6.53065592
Pd	8.03310430	6.30013624	6.82780782
Pd	9.46051377	8.53312501	7.66128377
Bi	5.62281468	8.59694311	9.86590285
Bi	8.41108207	12.08071707	7.91454416
Bi	10.05281577	8.54502890	10.54790012
Bi	8.07586821	4.61237891	8.86597946
Bi	5.32217196	9.54732030	5.53462769
Bi	9.56974510	6.20326830	4.60817519
Bi	12.01522831	9.53055565	6.63448224

Pd₁₈Bi₈

Pd	11.36350076	10.62671559	6.54559975
Pd	11.91148418	6.99183420	8.85120182
Pd	11.21133156	9.80040051	9.73112557
Pd	9.31062845	6.22012503	8.43895730
Pd	9.57876348	6.65650025	5.66270574
Pd	10.05263196	8.56690932	7.59761660
Pd	12.10545198	7.69793491	6.02231911
Pd	8.96062186	4.22202099	6.74619824
Pd	7.68834443	8.28785770	4.75009401
Pd	8.63787674	10.36621858	6.24416404
Pd	8.51682118	9.39089693	9.60311654
Pd	4.52894232	9.36203963	7.69561996
Pd	5.34661210	6.82103410	8.31507027
Pd	6.84599291	11.01338398	8.23256984
Pd	7.44325266	6.89587104	10.21539884
Pd	7.30567288	8.39202395	7.48347383
Pd	7.15282389	6.07209502	6.37109710
Pd	5.25682704	7.69616083	5.74858560
Bi	10.05296314	7.51911075	10.71391722
Bi	11.44634844	5.23515173	6.87899604
Bi	10.31482315	9.04735989	4.55320834
Bi	13.05360728	9.17808853	7.95815438
Bi	6.02516820	10.23169763	5.71121491
Bi	9.59460790	11.58027626	8.42033257
Bi	5.85265748	8.98914072	9.88944334
Bi	7.04015244	4.72685296	8.62673519

Pd₁₈Bi₉

Pd	5.50229249	6.37986672	9.06683872
Pd	5.65927414	9.26903206	9.03833422
Pd	7.58868401	7.47145318	7.61711356
Pd	8.14952292	5.50998904	9.77369565
Pd	8.32426616	9.57094564	9.13555712
Pd	12.14430466	7.58868997	8.96055590
Pd	12.47907739	9.97963790	7.63074151
Pd	9.72047793	7.64046618	10.38319264
Pd	9.83272279	11.18906900	7.65213512
Pd	10.09462745	8.40950338	7.61845351
Pd	5.50611106	6.41175538	6.13646283
Pd	8.31710196	9.59750393	6.13778756
Pd	5.65023570	9.31524412	6.21098262
Pd	9.71446982	7.70912186	4.82499670
Pd	12.26175188	5.25955553	7.57772191
Pd	9.64769745	5.82510383	7.60101887
Pd	12.13507354	7.62060980	6.24705483
Pd	8.14659769	5.56863860	5.42057643
Bi	6.87736202	11.26254072	7.65653565
Bi	3.92462871	7.91019497	7.61144920
Bi	10.94347040	5.36147143	9.89840287
Bi	7.04248878	7.75522482	10.75078200
Bi	11.00250054	9.93738465	9.82689797
Bi	6.85634239	4.63354971	7.58536575
Bi	7.03565740	7.82624956	4.47977546
Bi	10.98850497	9.99307291	5.44401042
Bi	10.92570881	5.41312295	5.27490196

Pd₁₈Bi₁₀

Pd	9.01387122	5.40087006	7.32069730
Pd	6.19621287	7.26254245	9.47495825
Pd	6.22321511	7.72827571	5.61547172
Pd	5.96547517	9.57345204	7.78716755
Pd	8.25502847	7.96432472	7.61825670
Pd	6.32008419	5.52153885	7.30771581
Pd	8.79223581	7.26005190	10.48878692
Pd	8.46725689	10.95221866	7.95721448
Pd	13.08463887	6.28590777	8.88130878
Pd	13.05582760	6.63945856	5.98427026
Pd	10.82920969	7.29196787	7.57829734
Pd	10.43906740	5.23852295	9.52129475
Pd	10.44236175	5.78639831	5.14671418
Pd	8.80175705	7.97929878	4.60574805
Pd	12.70451292	9.12605970	9.12079229
Pd	10.01112579	9.21021577	9.20873923
Pd	10.01771449	9.50470050	6.36299048
Pd	12.69729582	9.44528085	6.38805975
Bi	7.65338138	5.04199993	9.59453338
Bi	7.69104740	5.60415754	4.99911600
Bi	7.39070943	10.08612145	5.60595903
Bi	4.45447358	7.42581199	7.52512927
Bi	7.37381876	9.54788545	10.03519213
Bi	11.49539174	8.12067605	4.44694064
Bi	14.56863822	8.04672817	7.60539639
Bi	11.81105889	4.64092879	7.22093523
Bi	11.48882208	7.38430278	10.68961376
Bi	11.35047848	11.16320841	7.97502805

Pd₁₈Bi₁₁

Pd	8.77744613	5.74041732	8.64494553
Pd	8.42470064	6.01532875	5.89272299
Pd	8.96305106	9.77302043	6.09698240
Pd	7.71578160	7.96187072	7.69124579
Pd	6.61098519	8.45856355	10.09273740
Pd	5.71840198	6.25949951	8.91278280
Pd	5.72745278	6.90656499	6.15542426
Pd	6.27859040	9.81467959	6.22833304
Pd	6.12539787	10.70554213	8.85537770
Pd	11.61330367	5.89792272	8.41597912
Pd	9.20724133	7.86141106	10.31361702
Pd	10.36213457	8.19578916	7.73405637
Pd	10.22094931	7.75086157	4.88702530
Pd	12.69762241	7.36021761	6.31003043
Pd	8.74351016	10.10219926	8.92326214
Pd	12.83594188	9.61512508	8.09218823
Pd	10.59580488	11.35512601	7.44414390
Pd	11.83451325	7.98434132	10.16315793
Bi	7.33599253	6.05108999	11.02632382
Bi	6.67207357	4.61095699	7.19895604
Bi	4.70612690	8.58599443	7.99222776
Bi	7.49315726	8.10259223	4.53254606
Bi	7.78416141	11.89986336	7.17882677
Bi	8.15038334	10.03022185	11.49282196
Bi	10.55294507	5.56126994	10.78239604
Bi	10.95983213	5.40121364	5.93264656
Bi	11.79344909	9.77326415	5.67329485
Bi	13.88324121	7.25306389	8.67994046
Bi	11.21506838	10.56392699	9.93524424

Pd₁₈Bi₁₂

Pd	10.64066751	8.56648833	6.33670434
Pd	10.08105596	5.79911430	6.70118074
Pd	9.76306504	7.49057888	8.74682518
Pd	8.43086239	9.30891091	10.39439389
Pd	10.88958398	9.88389817	9.05661296
Pd	9.94943309	12.21947066	8.06079968
Pd	12.93273911	8.56859773	7.82390406
Pd	12.29226077	5.83413025	8.45171567
Pd	7.46549967	11.69495700	9.31718722
Pd	9.74595389	11.06868613	5.48095070
Pd	5.67575750	6.00995252	6.76310709
Pd	4.39737274	8.08617071	8.35696990
Pd	7.80373354	5.22257452	8.30839592
Pd	7.16203048	10.07289994	5.16947827
Pd	6.99996445	7.86632115	8.62947707
Pd	8.56794403	9.75141130	7.61246532
Pd	7.94583656	7.53870683	6.06452473
Pd	5.82417660	10.32719169	7.52058969
Bi	12.01613792	10.94797813	6.87026933
Bi	12.01277867	7.75248134	10.18945976
Bi	12.49315055	6.69444268	5.99551662
Bi	10.21012441	4.33647685	8.92494535
Bi	8.35830622	6.57275591	10.76082011
Bi	9.73622608	11.62494197	10.66774339
Bi	7.81921756	4.90569281	5.65512443
Bi	5.19720522	8.37500591	5.79201756
Bi	9.23086982	8.80832622	4.12048943
Bi	5.77384043	9.77906969	10.12967041
Bi	5.39254875	5.76843526	9.37097112
Bi	7.63260456	12.25171909	6.70639066

Pd₁₈Bi₁₃

Pd	8.33162044	6.50143973	8.64038639
Pd	10.82943333	5.34932614	8.57546954
Pd	12.31932724	8.73587109	5.96221228
Pd	11.18319153	6.17705758	5.94970317
Pd	12.74858532	9.46827866	8.63075788
Pd	10.45706188	8.03984267	7.85781927
Pd	10.25396632	10.59422094	8.81054842
Pd	11.79558341	7.34279854	10.24139279
Pd	9.35251015	8.53323805	10.33260105
Pd	9.77156554	9.83437242	5.88847858
Pd	5.87326977	8.08759771	9.01234927
Pd	7.26040931	7.07575290	11.09290323
Pd	6.55335425	5.81040519	6.73720391
Pd	8.04475638	9.22010820	7.88468361
Pd	6.79190194	11.58055463	8.20392045
Pd	9.33922004	12.29579680	6.93910024
Pd	5.58285694	9.46670432	6.70901863
Pd	8.61424374	7.37343896	5.93961313
Bi	9.05443200	4.73641620	6.64526357
Bi	11.91471530	11.25796689	6.75442382
Bi	10.48387277	7.98091488	4.13597831
Bi	12.98780728	6.87195180	7.87728318
Bi	9.67358426	5.86775864	10.94572230
Bi	11.56487848	9.86098387	11.00279311
Bi	7.13792384	9.95935485	10.59457610
Bi	5.97048806	5.44214460	9.38157479
Bi	8.79281737	12.68509939	9.47364244
Bi	4.19381881	7.11947898	7.11408449
Bi	7.41263340	11.02980580	5.62881119
Bi	6.24769950	7.66012155	4.78702475
Bi	4.49140013	10.43143737	8.93151753

Pd₁₈Bi₁₄

Pd	9.10237103	9.86388499	5.99295564
Pd	7.75419713	6.07336567	6.34557876
Pd	7.25051332	9.19681862	9.93558645
Pd	11.35621861	10.35478637	7.41780445
Pd	7.89768234	11.21490100	8.21428282
Pd	7.02002963	8.59867386	7.35908906
Pd	10.25478946	12.25798810	9.16408279
Pd	9.91533529	7.37908307	5.22715812
Pd	5.00397788	7.95661909	9.34947456
Pd	9.46365487	7.93682318	7.84892425
Pd	7.11770277	6.27430520	8.93496046
Pd	9.86945205	9.72362020	9.88783679
Pd	9.39323770	7.02192688	10.44644341
Pd	9.44004608	5.16283836	8.25892306
Pd	11.83307344	8.12917713	9.16676220
Pd	8.57726674	8.99626858	12.21278423
Pd	11.62589609	6.42114040	7.13198455
Pd	4.48314345	9.21387122	6.79021137
Bi	6.47012456	10.92089190	5.91444241
Bi	11.48141458	9.42554693	4.78293899
Bi	5.19501870	10.63995589	8.93193372
Bi	5.17196143	6.61972609	7.04692167
Bi	9.76076623	12.38722883	6.57468455
Bi	8.22032392	11.53453132	10.91843244
Bi	7.40598974	8.11388568	4.64541267
Bi	6.71167431	7.08637790	11.50350234
Bi	12.41635462	10.80066009	9.81114291
Bi	10.02336285	4.75518481	5.72422109
Bi	8.32271169	4.52229072	10.58208423
Bi	13.31599712	8.43895183	6.94235866
Bi	11.61088040	5.49459347	9.71665248
Bi	11.19239817	8.42899461	11.85314834

Pd₁₈Bi₁₅

Pd	8.56426128	8.22948200	5.53057221
Pd	8.39112610	11.47521219	7.90242440
Pd	11.53299378	8.44431357	8.77733104
Pd	7.78182650	6.21170973	7.33708277
Pd	10.97293970	7.07843272	6.53213973
Pd	10.71497594	10.15660151	6.71886069
Pd	10.02917724	4.74621405	7.50559402
Pd	6.62139089	9.90607649	6.53324946
Pd	12.73102792	10.81697335	8.50600136
Pd	8.72942373	8.80573771	8.07870378
Pd	10.25590996	10.68474417	9.69771993
Pd	9.50076444	6.70574149	9.48966183
Pd	7.99591341	8.97049524	10.60689378
Pd	6.27590531	10.78537389	9.47600875
Pd	6.97622261	6.48007287	10.58680089
Pd	11.53706041	7.27109135	11.18358495
Pd	6.12782986	8.11240748	8.57372870
Pd	10.05170426	9.56011664	12.14220917
Bi	10.95879566	8.65862909	4.33607932
Bi	5.95697770	7.43954723	5.77900104
Bi	13.09356483	8.88065095	6.58725646
Bi	10.79491742	12.56323457	7.89988546
Bi	9.21544008	5.65325774	5.06567822
Bi	12.01997328	5.84627760	8.85650880
Bi	8.65825762	11.00048069	5.17483558
Bi	12.42299818	9.76521207	11.04538958
Bi	8.15035635	4.32276071	9.34860806
Bi	5.87728593	12.40274306	7.34661638
Bi	8.23491738	11.58722942	11.10622312
Bi	5.39629936	5.58119997	8.58198444
Bi	5.39119823	8.74933346	11.07814351
Bi	9.11653881	7.04566355	12.19058343
Bi	4.21792062	9.89035417	7.85783331

Pd₁₉

Pd	7.98091400	7.23573100	7.23441600
Pd	6.07148033	8.39090098	5.72773312
Pd	9.89034767	8.39090098	5.72773312
Pd	6.07148033	6.08056102	8.74109888
Pd	9.89034767	6.08056102	8.74109888
Pd	9.88958151	8.74760805	8.38477496
Pd	7.98091400	4.58311202	7.58582052
Pd	6.07224649	8.74760805	8.38477496
Pd	7.98091400	9.88834998	6.88301148
Pd	6.07224649	5.72385395	6.08405704
Pd	7.98091400	6.88187481	4.59561936
Pd	9.88958151	5.72385395	6.08405704
Pd	7.98091400	7.58958719	9.87321264
Pd	7.98091400	5.06087286	10.07671676
Pd	7.98091400	9.41058914	4.39211524
Pd	7.98091400	10.07979296	9.40827120
Pd	7.98091400	4.39166904	5.06056080
Pd	4.39012521	7.23573100	7.23441600
Pd	11.57170279	7.23573100	7.23441600

Pd₁₉Bi

Pd	7.85126742	4.40805760	7.52609621
Pd	9.43423553	5.47516487	9.36161752
Pd	10.25500854	5.07996560	6.83732763
Pd	8.36622816	7.07997235	7.38130210
Pd	6.92653391	5.91829655	9.51590398
Pd	5.95609393	6.05315246	7.12225571
Pd	8.19334142	5.79607923	5.27493350
Pd	8.28056049	8.24827680	4.29631859
Pd	10.43318025	7.17507118	5.18315026
Pd	5.99786225	7.10832818	4.79621532
Pd	8.53804086	8.01886707	9.68042840
Pd	7.80707825	10.17112623	8.36130788
Pd	10.84712986	7.25819428	8.22190519
Pd	10.33828945	9.69212627	8.70297495
Pd	9.36628103	9.22972736	6.42848286
Pd	11.94706867	8.96191574	6.63296977
Pd	4.45661132	8.05230486	6.68953669
Pd	6.80924166	8.99231908	6.28702971
Pd	6.12245118	8.21391100	8.64392740
Bi	12.55640876	6.37017802	6.44521634

Pd₁₉Bi₂

Pd	4.53301831	7.64126988	8.07788228
Pd	6.84581028	6.39445916	9.66176599
Pd	4.98283849	8.12750705	5.42084189
Pd	6.83159782	7.21746828	7.25005715
Pd	6.55569955	8.91739034	9.33664800
Pd	8.47168299	9.83883380	7.63302065
Pd	9.00277914	7.91325567	9.46037314
Pd	7.66735441	8.79769918	5.22732672
Pd	11.02767657	8.99073727	8.12780746
Pd	7.85051039	5.00735341	6.11491703
Pd	11.07244981	6.40088700	8.66112950
Pd	10.37743668	4.91819082	6.52943393
Pd	11.67166939	7.18920323	6.12674777
Pd	6.73838982	6.51053739	4.43475210
Pd	9.23445019	7.32260613	7.02107819
Pd	9.38751110	6.61718426	4.62565084
Pd	6.38894008	4.39254509	8.14002213
Pd	8.78705496	5.20262600	8.55792331
Pd	5.08258262	5.64376678	6.29950225
Bi	10.24700328	9.35660132	5.56397684
Bi	5.86588962	9.95254693	7.03539737

Pd₁₉Bi₃

Pd	10.60006897	8.76894367	5.27864182
Pd	11.95417402	7.30401622	7.02734194
Pd	10.58853133	6.23754749	4.83747109
Pd	9.42718524	7.34074878	7.02404145
Pd	5.89108812	6.08156849	4.89269468
Pd	5.83825788	8.61750397	4.88530719
Pd	8.12248032	9.64940527	5.72866069
Pd	8.21025171	7.41805142	4.46639723
Pd	8.29904064	5.16879417	5.73710153
Pd	8.20084763	7.54106071	9.55080146
Pd	4.49894005	7.35890602	7.02239822
Pd	8.30283181	5.22148897	8.40700468
Pd	5.88572139	6.13910124	9.17767709
Pd	6.99963679	7.38869523	7.02534760
Pd	5.84716960	8.67687335	9.12897022
Pd	8.12085553	9.77366884	8.27016760
Pd	10.58390315	6.39004735	9.28118620
Pd	10.59537514	8.88433767	8.67279979
Pd	10.14309318	10.66273125	6.92537774
Bi	10.67339779	4.82300040	7.10868859
Bi	5.98703268	4.68501438	7.05350714
Bi	5.76215543	10.11977619	6.98966013

Pd₁₉Bi₄

Pd	8.49354815	7.72693394	9.65176437
Pd	12.00927102	7.19881956	7.11760506
Pd	8.65324210	9.86807682	8.23821109
Pd	10.75131605	5.95685587	4.98712204
Pd	8.64706939	9.65184113	5.59315295
Pd	10.96354441	8.48330126	4.94883031
Pd	8.52761420	7.37072191	4.46308013
Pd	10.94676858	8.75284197	9.10055316
Pd	9.50394761	7.44276546	7.08606321
Pd	10.68882567	6.23911898	9.38810901
Pd	6.10870871	6.25109123	5.09255871
Pd	8.39183119	5.25584896	5.89868016
Pd	8.31923549	5.44641482	8.52276699
Pd	6.32380771	4.47715744	7.22873031
Pd	6.99343050	7.70899056	7.03544625
Pd	6.31410063	9.16770004	9.20853695
Pd	6.24069185	8.85111047	4.76014523
Pd	4.54941934	8.66887117	7.25059310
Pd	5.97161484	6.54960240	9.07951111
Bi	10.62475892	4.72429895	7.28584243
Bi	10.96626571	10.12639543	6.92693888
Bi	6.46071907	10.52198987	6.83804435
Bi	4.37326483	6.09174625	7.03043691

Pd₁₉Bi₅

Pd	6.74712247	8.15702760	9.29530998
Pd	7.34686902	5.56396052	9.46264717
Pd	9.08305472	9.39443314	8.60528386
Pd	6.57347944	6.08330978	5.04945324
Pd	5.41192706	6.36398717	7.69264455
Pd	6.43734022	8.67943045	5.59830624
Pd	7.86264267	7.10910872	7.23548567
Pd	8.77821822	9.84678208	6.02925874
Pd	8.71797793	7.71532899	4.59913511
Pd	12.74546178	7.83458300	6.66506671
Pd	9.14528729	5.35238372	5.49954571
Pd	11.62926002	8.67989221	9.12039861
Pd	9.60623825	5.05404016	8.09987308
Pd	11.90877358	6.19478829	8.81439893
Pd	9.46842133	7.12175507	9.63628912
Pd	11.24010109	6.66188386	4.49003588
Pd	10.27443889	7.54167633	6.92914748
Pd	11.03388250	9.16626266	4.82313054
Pd	4.55860156	8.85624097	7.66217858
Bi	7.18042616	4.38308370	7.07899494
Bi	6.74712247	10.32181699	7.72007803
Bi	11.22456479	10.28080946	7.14745875
Bi	11.76057582	5.10858777	6.47176292
Bi	4.23202473	7.27573067	5.52950392

Pd₁₉Bi₆

Pd	4.87121955	7.35245500	9.08448447
Pd	7.15246141	8.49678178	9.30948749
Pd	10.45330369	10.94664434	7.98476812
Pd	8.96241756	8.78044418	7.49432487
Pd	7.66411240	10.91940478	8.33084914
Pd	7.11336905	7.14513509	6.76290810
Pd	8.63815532	8.50563309	4.86990755
Pd	6.53710010	9.84607541	5.99426576
Pd	4.59929819	7.85668310	6.49965763
Pd	8.21324783	5.83462824	4.64986793
Pd	7.09233220	5.91520937	9.13535941
Pd	5.18950238	5.42148440	7.34289709
Pd	9.73495227	6.24700850	6.86749006
Pd	9.41877983	7.05386383	9.58294216
Pd	11.39773423	8.45099812	8.48572211
Pd	11.03066133	9.14367478	5.98306889
Pd	9.28274378	4.48516320	8.94937754
Pd	9.42040449	9.63788283	9.97823392
Pd	12.39030164	6.90907961	6.55466388
Bi	8.91838423	11.05303138	5.85102761
Bi	5.14242071	9.89173441	8.24452961
Bi	6.13991234	7.75406722	4.32818060
Bi	7.62857084	4.42178602	6.89481801
Bi	11.61567330	5.79736863	8.82987616
Bi	10.75647884	6.92474080	4.46953558

Pd₁₉Bi₇

Pd	8.60975075	7.66777609	9.71462955
Pd	11.13897495	7.82924749	8.75818722
Pd	8.53221232	11.18962763	6.94119355
Pd	9.19562021	7.39658262	4.70560214
Pd	8.39062680	4.87660792	4.83042972
Pd	7.42553196	9.26699287	5.42167141
Pd	11.73983658	5.48156617	7.60854262
Pd	11.35811521	10.29472904	7.36948943
Pd	11.46751405	7.79561656	6.16656249
Pd	9.19819775	8.61672330	7.23616881
Pd	9.13111633	5.96423291	7.18049064
Pd	4.90116921	5.70427530	8.69569453
Pd	6.86217524	7.33873251	7.37673433
Pd	4.61405027	8.57516748	7.93327221
Pd	7.10917909	9.66565892	8.62039055
Pd	6.53905224	4.85435080	6.66208535
Pd	7.46799619	5.32259333	9.11730500
Pd	6.66290490	6.83207653	4.75813847
Pd	4.87753083	8.76721942	5.16003706
Bi	10.10676605	5.47057557	9.70091444
Bi	9.68543533	10.16086444	9.43229342
Bi	10.08567260	9.94221739	5.01013207
Bi	10.94109127	5.41171377	5.08253809
Bi	5.99300422	7.63088017	10.10895327
Bi	5.66580283	10.80722522	6.69325997
Bi	4.37716083	6.40844020	6.21779330

Pd₁₉Bi₈

Pd	10.82139858	11.32084054	6.93633816
Pd	9.62750537	7.43276546	4.92774530
Pd	9.83364881	8.90105749	7.29184196
Pd	11.98352424	8.64691897	5.58536607
Pd	7.50327904	9.02269152	4.52240035
Pd	8.12091432	10.77165169	6.55104209
Pd	5.17824996	7.86981795	5.22236737
Pd	7.27547905	6.34273614	5.27902601
Pd	9.41341140	4.75858849	5.42471554
Pd	11.78344740	7.15562502	7.99160719
Pd	10.84350451	9.13120441	9.83867030
Pd	9.00762321	6.48255143	7.43253008
Pd	8.27456697	8.35826959	9.43220111
Pd	5.49099965	6.20464479	7.35116706
Pd	6.40911314	10.25537746	8.75568452
Pd	7.48127681	5.68639121	9.42940493
Pd	7.10056737	8.28241592	7.07146275
Pd	4.30002740	8.63780440	7.64110480
Pd	10.76526092	4.65911036	7.89309235
Bi	9.96882512	10.14997726	4.60710726
Bi	12.62248767	9.66202045	7.92834726
Bi	5.55240886	10.36816829	6.08285519
Bi	11.77416602	5.94643584	5.62811589
Bi	10.11675685	6.45046686	9.97321836
Bi	9.02245268	11.02298081	9.07202741
Bi	5.70025417	7.65560157	9.60885039
Bi	7.35966826	4.31725806	7.10113972

Pd₁₉Bi₉

Pd	5.47076294	9.57951208	8.96401414
Pd	8.17700654	10.32100141	5.74964167
Pd	7.59087819	8.16239530	7.64013647
Pd	5.56088709	9.57028064	6.14392925
Pd	9.42725963	11.90907150	7.66333703
Pd	8.07046302	10.33944796	9.49369917
Pd	5.60621847	6.70451310	6.15415942
Pd	5.51223708	6.70374518	8.97358970
Pd	8.12024240	6.00998161	9.52335447
Pd	11.97566869	8.18973018	8.97133662
Pd	9.53672215	8.19579189	10.16624114
Pd	9.86177370	6.95039634	7.62471511
Pd	12.20788561	5.74107695	7.66084038
Pd	9.85202633	9.40600992	7.62133550
Pd	12.04450845	8.18206726	6.33300461
Pd	9.66004992	8.18270448	5.02110781
Pd	12.20567898	10.60789514	7.65284806
Pd	8.22932267	6.00378919	5.72706528
Pd	9.50402239	4.44177955	7.68133115
Bi	6.64020490	11.55223119	7.58047574
Bi	3.84388929	8.11360752	7.50784462
Bi	7.05211409	8.15667670	4.46160002
Bi	6.74115366	4.76236397	7.59341568
Bi	6.89738969	8.16922493	10.71130187
Bi	10.78513349	10.57168826	9.89383257
Bi	10.82520024	5.83675721	9.92304639
Bi	10.94442751	5.85569392	5.34022196
Bi	10.90688013	10.52435464	5.35101539

=Pd₁₉Bi₁₀

Pd	10.39892257	10.36966097	9.26571311
Pd	6.02413228	10.54907476	7.56269988
Pd	8.53529085	9.52815869	7.55065379
Pd	13.06135808	9.70081058	8.96459087
Pd	10.39513103	10.36354384	5.82422765
Pd	9.09118546	12.05855119	7.54792153
Pd	8.93080497	8.29621815	4.99159779
Pd	6.49753669	8.29998762	6.07037259
Pd	13.05906776	9.68920456	6.12622543
Pd	6.48993435	8.28018134	9.04347922
Pd	8.52780399	7.03293143	7.54399673
Pd	6.02572973	6.00748538	7.53696229
Pd	10.33244541	6.15401547	9.31987526
Pd	12.99755617	6.76814233	8.96895343
Pd	10.32811496	6.15416426	5.77720561
Pd	12.99472695	6.76427366	6.13707899
Pd	10.94996708	8.24814080	7.54749886
Pd	8.98386738	4.49252007	7.54615537
Pd	8.93987004	8.28995222	10.08081727
Bi	7.65522864	10.70449948	9.75975405
Bi	11.94660492	11.68423238	7.53744535
Bi	7.65719178	10.72212343	5.35008240
Bi	11.57374385	8.25434060	4.47929146
Bi	14.67878948	8.19766621	7.55056321
Bi	7.61213589	5.88922636	5.31235909
Bi	4.38789712	8.27641187	7.55306904
Bi	11.57818977	8.26601275	10.61753279
Bi	11.80429682	4.81603363	7.55320490
Bi	7.61567723	5.86781641	9.76337694

Pd₁₉Bi₁₁

Pd	6.46973043	7.29293731	10.80776598
Pd	6.73955043	11.29400771	8.35866242
Pd	4.34871800	7.29233600	8.60664882
Pd	7.99319906	9.09743593	9.49226960
Pd	5.70809124	5.83674245	6.63101387
Pd	5.93941247	8.99350339	7.38329223
Pd	8.65177708	6.22447981	9.63814581
Pd	6.88744036	8.11903325	5.06323784
Pd	7.89560312	7.23062210	7.35951422
Pd	10.03832084	5.61098034	6.82729253
Pd	9.69624214	7.85070438	5.32874322
Pd	10.25207030	8.02693712	8.09526435
Pd	10.60843470	9.60545210	10.29765533
Pd	11.21453955	6.88774600	10.36159805
Pd	12.43736842	6.24748802	7.86852404
Pd	12.31497138	8.60502230	6.25946674
Pd	11.27244336	10.63031427	7.76889858
Pd	7.89894107	4.44515729	7.78368121
Pd	8.70122361	9.91285062	6.94124456
Bi	5.30458055	9.48605944	9.90303787
Bi	7.92327520	5.50002192	5.18454972
Bi	5.88565947	5.26718645	9.23741086
Bi	6.66495690	10.80322396	5.59377682
Bi	4.21231198	7.80867563	5.84563187
Bi	9.05812416	7.90409481	11.68310183
Bi	10.71232604	4.55812538	9.14534970
Bi	12.80210362	8.67241705	8.94784439
Bi	11.94459799	6.26839162	5.18055527
Bi	10.62666368	10.33696753	5.15111583
Bi	9.22299783	11.55224082	9.14766145

Pd₁₉Bi₁₂

Pd	6.88173739	6.78758936	9.44747280
Pd	8.94545938	8.57362621	10.41729527
Pd	6.89153484	6.79697247	6.59126868
Pd	7.62238271	8.96448613	8.03011656
Pd	7.20310784	10.66995489	10.30358873
Pd	8.56630325	11.54173957	8.05022683
Pd	5.14522225	8.96612574	9.42585265
Pd	5.15661464	8.97904780	6.61364376
Pd	7.21970567	10.69513343	5.77296391
Pd	5.89627846	4.57181277	8.01733080
Pd	8.96522956	8.60114241	5.65328211
Pd	9.52068725	6.12513885	9.36940898
Pd	10.29452823	8.33244143	8.03906338
Pd	11.70204878	9.25502150	5.76188077
Pd	11.25778078	10.85362350	8.05610571
Pd	11.68699331	9.22596310	10.32697575
Pd	12.20783568	6.64833628	9.40893883
Pd	12.21521444	6.66843366	6.64792117
Pd	9.53101051	6.14236285	6.66793506
Bi	7.76864342	4.26936182	9.77468227
Bi	6.58408063	8.38614266	11.56260070
Bi	9.86556107	11.17011664	10.32556225
Bi	5.86013830	11.16461340	8.03532082
Bi	4.51241901	6.81780036	8.00632798
Bi	6.61654016	8.41747379	4.48884622
Bi	7.78517114	4.27762480	6.28036266
Bi	9.88100214	11.19644777	5.78205529
Bi	13.07910785	8.80856099	8.04571326
Bi	10.76803086	7.05228061	11.57707303
Bi	11.24381196	4.56656926	8.01286542
Bi	10.79039499	7.09716692	4.47630140

Pd₁₉Bi₁₃

Pd	9.82847825	10.46274341	8.59105926
Pd	12.55177969	10.28558252	8.23465124
Pd	11.77755350	6.68640368	5.60460528
Pd	11.79200285	9.40544026	5.78673421
Pd	12.25996481	5.68491314	8.14558520
Pd	10.86635038	8.07650252	7.93792433
Pd	9.57937289	5.78296901	8.99789167
Pd	12.81102879	7.96259924	9.86404326
Pd	10.14791474	7.83702499	10.61586866
Pd	9.15713072	7.11413529	6.17324658
Pd	6.78783840	10.38893738	8.43435036
Pd	8.40014524	9.78919529	10.72925159
Pd	8.39667885	12.23983280	7.10173320
Pd	7.72374408	7.09260922	11.05418034
Pd	8.29456645	8.14570290	8.55419222
Pd	5.91901640	6.90405801	8.97018543
Pd	7.46537070	5.39828954	7.26947344
Pd	6.60505045	8.27284538	6.47352270
Pd	9.04631587	9.79631012	6.02227718
Bi	10.98364189	11.79037703	6.50973425
Bi	10.23468383	4.68177183	6.66446071
Bi	10.19016815	8.29536192	4.04384734
Bi	13.56792305	7.90228002	7.28517310
Bi	11.46773167	10.13547780	10.69005039
Bi	11.64021168	5.69202797	10.70957105
Bi	5.85808100	8.98074607	10.73695754
Bi	8.17696478	12.24747588	9.74757475
Bi	7.29190550	4.78408669	9.88185327
Bi	6.55035455	10.83388654	5.81936457
Bi	4.91447630	6.04590403	6.63120683
Bi	7.19448184	6.41447196	4.58927488
Bi	4.42516871	8.99365511	7.92919519

Pd₁₉Bi₁₄

Pd	8.09038539	8.51147543	11.38645061
Pd	8.51038642	6.08711568	8.22237838
Pd	12.56170365	9.70773517	8.54262262
Pd	7.60294348	11.07316365	9.57663760
Pd	10.29546623	10.16917684	9.98672246
Pd	10.30412934	7.37591986	10.12663709
Pd	6.32880959	7.07736541	9.84010802
Pd	12.64872529	6.99850883	8.74522951
Pd	8.14749445	8.64295499	8.79182892
Pd	10.44281010	8.23181749	7.56760918
Pd	9.37628904	10.67232233	7.52308786
Pd	8.10886551	8.51133700	6.12081611
Pd	6.27727474	6.66567417	6.76305019
Pd	6.99341919	10.96511439	6.34581666
Pd	11.60361348	10.48690467	6.08851405
Pd	5.69945601	9.11493509	7.98337973
Pd	10.50160562	8.15920783	4.88989656
Pd	11.26397699	5.94681084	6.47085206
Pd	10.43487483	8.99328449	12.44518673
Bi	5.63652420	9.54412117	10.79237868
Bi	12.55217068	8.62267412	10.93638302
Bi	10.86092938	5.01171054	8.90055536
Bi	8.74484069	11.02047147	12.00906738
Bi	11.43699064	12.07490357	8.37336515
Bi	8.33204708	5.74879550	11.03531743
Bi	12.88472401	8.17085375	6.26930916
Bi	8.12331586	13.01813698	7.80998268
Bi	6.20425964	4.67266357	8.58338672
Bi	8.77734510	5.99330802	5.50933798
Bi	5.26042454	11.74985593	8.24284356
Bi	5.56505355	8.91731775	5.32265769
Bi	9.24852593	10.57413663	4.78118675
Bi	4.09310608	7.01439435	8.32719798

Pd₁₉Bi₁₅

Pd	9.52735917	7.66514355	6.08509871
Pd	5.84814682	8.33664406	7.62434036
Pd	9.34882327	11.27888007	8.27086233
Pd	11.27536147	6.77471958	7.99400256
Pd	10.95273546	10.09103067	6.38593711
Pd	7.87834582	9.99594627	6.42799327
Pd	13.15115638	9.00036495	7.74066228
Pd	7.51383502	6.20610074	7.15735209
Pd	7.21005805	12.63654068	7.37086402
Pd	8.53164777	8.28915479	8.52389651
Pd	6.59024954	10.64289067	9.01283969
Pd	10.83998256	9.30331197	9.09591463
Pd	8.64402333	9.85524253	10.78572854
Pd	6.31376687	8.07829322	10.29906417
Pd	10.30784280	7.29415561	10.68751815
Pd	10.69129249	11.75059750	10.51791603
Pd	8.05474345	6.02552858	10.03342845
Pd	8.11756164	3.95702826	8.38058587
Pd	13.11999885	10.18175778	10.40227436
Bi	9.39221741	9.63787147	4.19321799
Bi	9.78296234	4.97439609	6.50671463
Bi	9.36055675	12.30552700	5.79378374
Bi	5.34876379	10.82194571	6.58307215
Bi	12.17195813	7.80762903	5.59032242
Bi	12.25438004	11.56028756	8.25031893
Bi	6.86398303	7.78100892	5.14826513
Bi	8.06566836	12.52995442	10.23338651
Bi	12.99515309	7.53567705	9.95373774
Bi	5.62093401	5.84906674	8.94984899
Bi	6.06903468	10.35437390	11.73805470
Bi	10.34839790	4.75272065	9.64956613
Bi	8.07955808	7.54825500	12.24211633
Bi	11.05440173	9.57111833	12.01272067
Bi	4.14111290	9.50200132	9.46278783

Pd₂₀

Pd	7.79284367	8.12206098	4.72561354
Pd	9.94179487	5.68421564	6.68609898
Pd	9.86369613	7.37123996	8.79792403
Pd	7.76796119	4.44796326	7.56986180
Pd	9.95187748	8.33038802	6.31903740
Pd	7.78413254	5.46676770	5.07871529
Pd	9.76366886	9.86620493	8.34135526
Pd	9.78286951	4.84956785	9.08284011
Pd	9.88123896	6.70815058	4.36035276
Pd	7.72763077	7.11631082	7.20373663
Pd	5.59610182	5.79955226	8.15206909
Pd	7.66176981	8.79789111	9.31270920
Pd	5.58104573	8.63884543	7.72890885
Pd	5.58570272	6.90182718	5.58426594
Pd	7.75932541	9.79688609	6.79517011
Pd	7.68327635	6.15103466	9.71123444
Pd	5.53278788	7.52184880	9.99012864
Pd	5.69575232	9.43271994	5.33162027
Pd	5.69706351	4.40338487	6.04674135
Pd	3.66102542	7.10721843	7.24596190

Pd₂₀Bi

Pd	9.41085766	6.43866255	4.63869762
Pd	9.43027794	4.64949412	6.41357475
Pd	9.43311741	5.19852066	8.87192185
Pd	9.53057187	7.64006197	9.55796956
Pd	9.46510201	8.8887629	5.30359651
Pd	4.95327269	6.47736252	4.66223903
Pd	4.96176171	4.62381695	6.44098989
Pd	4.98887652	5.26964300	8.92794842
Pd	5.04207630	7.74408850	9.65377299
Pd	5.04344454	9.61196057	7.85985480
Pd	4.97957833	8.96568105	5.35025208
Pd	7.27312713	8.92356597	8.97983067
Pd	7.22935795	9.61741625	6.51269648
Pd	7.18906089	7.80432781	4.64304132
Pd	7.17311273	5.27831542	5.26109949
Pd	7.18829585	4.57073380	7.74898373
Pd	7.24077472	6.39228211	9.60804312
Pd	5.57623675	7.12177151	7.14461176
Pd	10.61898982	7.00195891	7.05469012
Pd	8.09904774	7.04988395	7.10645844
Bi	9.65244879	9.52309660	7.79683560

Pd₂₀Bi₂

Pd	10.90172074	5.99031874	5.83210538
Pd	10.49241668	8.43299438	4.88660341
Pd	12.14354001	7.95068600	7.03331139
Pd	9.51185814	7.77782826	7.15915339
Pd	8.62236867	7.69301419	9.88736195
Pd	8.39168029	9.88087030	8.53610748
Pd	8.18387133	5.69186977	8.51869204
Pd	10.84599265	8.84321080	9.19812397
Pd	10.80646458	6.18993366	8.63831731
Pd	9.73719636	4.12454485	7.26238259
Pd	6.15826984	8.44482610	9.47886720
Pd	5.66251579	6.02931511	8.50647395
Pd	8.02389815	7.72227655	4.47733336
Pd	4.47858461	8.03331181	7.32166401
Pd	8.27236502	9.90195309	5.83780524
Pd	5.81251973	8.89578949	5.15791387
Pd	7.10337109	7.80035983	7.19435756
Pd	5.76787412	6.23735107	5.72383675
Pd	8.37430057	5.69069264	5.82390734
Pd	6.80578906	4.14203586	7.08242782
Bi	10.70213641	10.24652160	6.93438939
Bi	5.97079815	10.28649891	7.43952333

Pd₂₀Bi₃

Pd	7.20946497	5.56961117	9.12368898
Pd	6.24557382	10.01796038	8.15107498
Pd	9.70448492	7.32382468	7.23131262
Pd	9.23947790	4.90710467	7.80321909
Pd	9.21390775	7.04593374	9.80476935
Pd	8.73724767	9.41971736	8.65276224
Pd	5.91421075	9.05152783	5.70580145
Pd	4.87725492	5.39979636	8.19360110
Pd	11.45943569	5.99760868	8.78153588
Pd	4.71061617	7.99032631	8.05543801
Pd	6.90878274	5.02793844	6.44064072
Pd	6.77895101	6.80474145	4.39084715
Pd	8.98377647	5.83432862	5.21497254
Pd	8.49260001	8.55311822	5.15029770
Pd	12.37576571	7.70465305	6.88970676
Pd	7.15654343	7.42904927	7.31876982
Pd	10.50301915	9.68051395	6.50206093
Pd	11.30781274	5.34194882	6.25263581
Pd	10.84538604	7.58667081	4.79862555
Pd	6.78213063	8.07362973	9.81512366
Bi	11.27803085	8.68613042	9.05993580
Bi	8.05033311	10.80153829	6.42223625
Bi	4.66831556	6.54734591	5.85227391

Pd₂₀Bi₄

Pd	10.99818276	9.02483603	9.38157576
Pd	11.20234699	6.50712004	9.48962605
Pd	8.77206135	9.72901299	8.18291180
Pd	11.78188091	6.33847956	5.21440862
Pd	12.58769021	7.80096740	7.43765631
Pd	11.52862507	8.85849561	5.04779178
Pd	10.10495124	7.57999696	7.12710854
Pd	9.05137923	5.27280345	8.44652465
Pd	8.72141018	7.56114555	9.54612257
Pd	6.41938999	8.71420863	8.67667895
Pd	9.03401608	9.60254015	5.58129800
Pd	6.86712344	10.51540556	6.64814146
Pd	7.64186277	7.29140798	6.85745456
Pd	9.38829700	7.36380703	4.43335698
Pd	9.41370056	5.21727146	5.81267742
Pd	7.17969469	5.90456633	4.55885472
Pd	6.51897681	6.05572339	8.91790160
Pd	5.24188465	6.44008778	6.27470400
Pd	6.71218944	8.48363210	4.81510275
Pd	4.20420286	7.28948376	8.52232743
Bi	11.56662644	5.03753661	7.42251828
Bi	11.17968133	10.31396302	7.13519154
Bi	7.05314475	4.46166652	6.84349942
Bi	4.77255990	9.03214208	6.60919097

Pd₂₀Bi₅

Pd	5.67666155	8.36424514	4.44343127
Pd	4.77384666	6.51881038	5.94357933
Pd	8.27032162	8.59925959	4.61717534
Pd	5.67449951	8.59435632	9.42701837
Pd	4.62694269	9.11047596	6.95880458
Pd	6.74778786	10.65604858	8.28933787
Pd	6.87431626	7.95571722	6.99616767
Pd	6.72769073	5.13562158	7.16357539
Pd	7.27491579	6.24771409	4.92028058
Pd	9.98116567	6.61819887	4.67942818
Pd	8.80305120	9.82056270	6.82736452
Pd	10.73180252	9.19747396	5.22714490
Pd	9.14507915	6.88171455	7.14264409
Pd	8.33513364	8.69768299	9.22547980
Pd	7.25634192	6.40773189	9.44792120
Pd	9.95261693	6.66762070	9.72576647
Pd	9.06824488	4.51567716	6.00194492
Pd	11.22009566	5.32202362	7.72555957
Pd	10.85557923	8.60132986	8.12755454
Pd	11.13513737	11.03741394	7.05310936
Bi	4.73507737	6.38004009	8.50991395
Bi	6.52044623	10.52218156	5.62865574
Bi	8.84162393	4.45100071	8.66228531
Bi	12.03904966	7.23239945	6.16755853
Bi	9.47108836	11.03886157	9.07555755

Pd₂₀Bi₆

Pd	12.16171653	7.57958405	5.87593636
Pd	10.75078558	10.37080846	9.26404467
Pd	8.18851568	9.97651033	8.96260958
Pd	9.78989670	8.71391915	7.00855804
Pd	11.46063730	10.53364339	6.45343332
Pd	8.66134279	10.58228541	5.39309120
Pd	6.68599258	11.44844417	7.17735260
Pd	7.97610091	8.00847757	4.75376832
Pd	9.90524488	6.32367701	5.29859584
Pd	4.41418582	9.84324114	6.72171540
Pd	10.77457509	6.18531199	7.79737532
Pd	8.21739458	6.81853506	7.26443796
Pd	8.89583945	4.33347408	7.00719267
Pd	6.97854839	7.57867408	9.47603345
Pd	6.23514692	5.30952409	7.57582892
Pd	5.56776811	9.85457439	9.11173419
Pd	9.67767915	7.88862630	9.58327232
Pd	7.41862934	5.46433475	5.12189348
Pd	6.91757624	8.89817973	7.00969586
Pd	5.52829191	7.24886799	5.55306771
Bi	9.37554727	11.92190966	7.56685442
Bi	12.19056194	8.39769642	8.36448975
Bi	10.51754452	8.94892295	4.31875398
Bi	6.09463643	10.02583069	4.71855301
Bi	8.56670371	5.34590633	9.44443070
Bi	4.68722117	7.48282946	8.07191537

Pd₂₀Bi₇

Pd	7.89128675	8.06415982	9.63019988
Pd	6.76457669	11.70429434	7.30125630
Pd	5.42257738	7.52786059	8.77666304
Pd	8.58124036	4.39522613	7.10923054
Pd	7.16648949	7.90446270	4.69935946
Pd	7.46619427	10.57972719	4.83695194
Pd	9.25796491	6.42141902	5.42086875
Pd	4.46919592	9.73299887	7.46830426
Pd	5.48878854	4.95116413	7.63206190
Pd	5.01369585	7.27444411	6.23161716
Pd	7.45200969	6.75558709	7.27500529
Pd	7.06615956	9.22798823	7.11696993
Pd	11.23069187	10.53459221	8.50937486
Pd	9.54402877	8.51803159	7.29868127
Pd	11.97852053	7.75591102	7.85606096
Pd	9.72951559	6.26022499	8.67771033
Pd	9.38544488	11.04210854	6.51306802
Pd	8.63264091	10.54531461	8.94778814
Pd	9.53368277	8.97110608	4.68559735
Pd	11.66024895	7.40648101	5.10250913
Bi	6.07557860	10.14503860	9.55762693
Bi	7.27284910	5.37547199	9.56098877
Bi	6.70399982	5.23852133	5.20247754
Bi	5.07929745	9.60231243	4.92330130
Bi	10.47312676	8.53051123	10.03156133
Bi	11.29214190	5.32612290	6.73101575
Bi	11.77431864	9.86362021	6.03107950

Pd₂₀Bi₈

Pd	6.23962627	6.03843950	8.60356012
Pd	6.32822973	8.81655559	9.12862437
Pd	8.37797027	7.28380029	7.58336366
Pd	8.75710262	5.05998372	9.21009933
Pd	8.96812984	9.19558852	9.30543788
Pd	12.81210952	7.23618728	9.38226145
Pd	12.96264342	9.64637343	8.05327563
Pd	10.29195054	7.03667347	10.08569471
Pd	10.54772021	11.01747029	8.29838011
Pd	10.83244312	8.15034463	7.60301129
Pd	6.30056031	6.70887207	5.98094211
Pd	8.75689184	6.11971718	5.01026492
Pd	8.92254428	9.73267684	6.55744357
Pd	6.20268262	9.48353974	6.48599629
Pd	10.30158885	8.33222972	4.77517302
Pd	12.92144588	5.70629278	7.08321761
Pd	10.21298540	5.48152661	7.08450128
Pd	12.88864114	8.13638083	5.66739564
Pd	7.67483363	4.63842537	6.87855612
Pd	11.42777633	9.32794309	10.12775361
Bi	7.45524116	11.10870664	8.28119410
Bi	4.48146852	7.76003860	7.57088946
Bi	11.59381200	4.83418147	9.25863697
Bi	7.67308992	7.08410092	10.61752463
Bi	14.65137853	7.65941572	7.56919804
Bi	7.62461096	8.48366660	4.49796181
Bi	11.52325882	10.45059871	5.90147571
Bi	11.53234144	5.96334734	4.82531146

Pd₂₀Bi₉

Pd	10.30421818	6.15331352	5.84390361
Pd	8.95571843	8.24770374	5.07078542
Pd	6.54846130	8.24487790	5.95434259
Pd	12.94394815	6.76683272	6.20097753
Pd	8.51879377	9.46715181	7.59401804
Pd	12.95321177	9.64077661	8.97030062
Pd	10.36843062	10.34171609	5.79003020
Pd	13.00355755	9.67118724	6.17590114
Pd	10.89912310	8.23863477	7.63261572
Pd	8.99367435	11.99065882	7.59719418
Pd	8.91360059	4.51534557	7.44817265
Pd	8.49058096	7.04139911	7.57803146
Pd	6.09327791	5.99804024	7.40574847
Pd	7.73399415	5.90958491	5.35421823
Pd	10.29785063	10.35826040	9.40638484
Pd	6.39025088	8.14204694	9.19740986
Pd	8.88563710	8.18795039	10.05440844
Pd	6.00227191	10.38931177	7.56354221
Pd	10.31200499	6.06406958	9.32596796
Pd	12.96278226	6.73078684	8.97188869
Bi	11.57947201	8.22749571	4.47265749
Bi	14.66410524	8.18681677	7.57426546
Bi	7.66088249	10.74121086	5.39308815
Bi	11.79541225	11.62969075	7.59826802
Bi	11.78829671	4.75938633	7.55038391
Bi	4.45047111	8.14091332	7.47297680
Bi	11.50835499	8.17955502	10.64132912
Bi	7.59327530	5.68330422	9.66672256
Bi	7.48886295	10.57680289	9.79948527

Pd₂₀Bi₁₀

Pd	6.44650491	7.08628910	9.54862512
Pd	9.27890586	7.07927048	9.52247513
Pd	6.49589519	9.83930832	9.71432480
Pd	13.37108653	8.84137729	9.49543738
Pd	10.92841708	8.70834557	10.80528876
Pd	9.12190234	9.86644911	9.26958805
Pd	8.08565365	10.37534694	5.62086209
Pd	10.09109536	11.28430577	7.23345530
Pd	12.60612010	9.87026428	6.94033866
Pd	7.78404883	8.27990425	7.55180303
Pd	5.52367902	9.99268758	7.08289427
Pd	9.12179307	7.94990060	5.30780977
Pd	7.23638502	6.08711854	5.39462339
Pd	5.20229623	7.18670679	7.01857059
Pd	11.81101322	7.59333568	5.26747119
Pd	11.89799255	6.73336227	9.38292544
Pd	8.99879090	5.62949201	7.31743431
Pd	10.49364793	8.35606265	7.59672058
Pd	11.69398450	5.42852784	7.01603190
Pd	7.93427757	4.85618883	9.81984368
Bi	11.69139843	10.80734586	9.28964831
Bi	8.06476477	8.44707927	11.37509069
Bi	7.45248567	11.56097761	7.91266980
Bi	10.77159568	10.06148932	4.97846628
Bi	4.29336590	8.61488210	9.02428586
Bi	10.08991160	5.53020116	4.89640296
Bi	6.25630138	8.54146031	4.99477304
Bi	10.51735963	4.52618518	9.25726843
Bi	13.53165955	7.35550769	7.29591002
Bi	6.38391112	4.97672870	7.69007559

Pd₂₀Bi₁₁

Pd	10.86399817	6.39884387	6.95468352
Pd	8.20169131	7.01736399	7.07120605
Pd	12.12705764	7.71421140	9.02342342
Pd	10.15521766	8.98132358	7.55741213
Pd	8.04103228	11.53543449	6.06781500
Pd	8.71039787	9.03435438	5.26780304
Pd	5.62396599	7.82927288	6.94816577
Pd	11.39950476	8.37746374	5.12300563
Pd	12.60753507	9.93310621	7.18491516
Pd	10.20241323	11.70836900	8.00424595
Pd	10.86669758	8.48838427	11.26547007
Pd	9.50060178	7.03556411	9.49981379
Pd	9.20237867	10.04643116	9.84730257
Pd	6.50312694	10.20993166	10.22878686
Pd	5.89427755	5.48289376	8.26240861
Pd	7.66569072	9.48469874	7.76746529
Pd	6.85362687	7.62003832	9.54561003
Pd	8.95890243	4.61578342	7.89907088
Pd	5.39737429	10.75309662	7.55114446
Pd	6.86842952	7.15214504	4.67137337
Bi	11.33187835	5.08950408	9.21801839
Bi	9.53550004	6.49775900	4.62507696
Bi	6.96927809	4.83258188	6.03200640
Bi	10.65175040	10.93169153	5.52007314
Bi	13.33298842	7.41955318	6.68611121
Bi	11.89282644	10.38478636	9.70610009
Bi	8.18279544	8.43493604	11.66119340
Bi	7.56979989	12.09075512	8.63818790
Bi	4.51556686	8.79781965	9.12678539
Bi	7.71980243	5.10950751	10.15404364
Bi	6.12362158	9.80141417	5.15809524

Pd₂₀Bi₁₂

Pd	6.89312368	9.39005318	9.57177677
Pd	9.03156662	7.59729629	10.42138361
Pd	6.88259226	9.36360832	6.47297170
Pd	7.62455468	7.38608385	8.03688089
Pd	7.32754038	5.46318129	10.28922611
Pd	8.77297349	5.02717930	8.05025560
Pd	5.19389568	7.21426650	9.46164820
Pd	5.19139072	7.18886096	6.61458622
Pd	7.32191304	5.41736883	5.80784909
Pd	6.19702675	11.53721739	8.01404916
Pd	9.02332847	7.55209422	5.65017850
Pd	9.48044859	10.16886501	9.43207292
Pd	10.29584870	7.95287489	8.02893314
Pd	11.79512083	7.05317227	5.75608432
Pd	11.46122010	5.46654670	8.03956226
Pd	11.81595435	7.07884177	10.29104045
Pd	12.20184184	9.64318476	9.38324642
Pd	12.18234901	9.62756200	6.63952130
Pd	8.81756885	12.50830298	8.00308287
Pd	9.46559523	10.14332749	6.61314118
Bi	7.58246427	11.88395354	10.22138923
Bi	6.67942580	7.66486843	11.59985083
Bi	10.08195678	5.07264533	10.34055736
Bi	5.93818665	5.07218341	8.05404483
Bi	4.60794647	9.38950878	8.02188453
Bi	6.67540375	7.60600676	4.46919047
Bi	7.57050397	11.84942510	5.79911458
Bi	10.07774068	5.03009929	5.75467139
Bi	13.20151535	7.53800569	8.01429001
Bi	10.78703276	9.18938240	11.55690085
Bi	11.32171847	11.72350270	8.00703266
Bi	10.74938778	9.15422707	4.48065450

Pd₂₀Bi₁₃

Pd	8.31786053	8.84173203	5.96276726
Pd	10.26983229	9.40382786	7.91288868
Pd	10.63651862	10.02691788	5.19734850
Pd	10.27116661	12.06659401	7.05579523
Pd	12.10493625	8.02635702	6.42612143
Pd	12.90747955	8.91526805	8.93169911
Pd	11.72615217	11.44412762	9.34785980
Pd	9.49740883	10.25410867	10.40460912
Pd	8.00586315	10.82535103	8.11532257
Pd	5.98737156	10.42184702	6.24318300
Pd	10.26990346	5.09269422	9.37315787
Pd	10.65438059	7.74953591	9.98986209
Pd	10.57353916	5.67500595	6.66430797
Pd	8.77182855	7.10908827	8.12414977
Pd	7.91171420	8.11004430	10.57827653
Pd	6.55977298	8.49613872	8.04966922
Pd	6.08472286	10.14757238	10.02168605
Pd	7.52746835	5.41320386	9.96729273
Pd	6.13556898	5.89921719	7.60982138
Pd	8.04930830	6.11939218	5.59942184
Bi	10.20526946	7.40333629	4.66239043
Bi	8.31570784	11.45181902	5.39582084
Bi	12.59804404	10.69532479	6.94452645
Bi	12.45630468	6.32414972	8.43400596
Bi	11.93140471	9.67515759	11.30659473
Bi	9.36541883	12.72618353	9.45541359
Bi	5.68610203	12.22868507	8.28672154
Bi	9.38038090	6.16254371	11.67436197
Bi	8.34340813	4.36564904	7.63714133
Bi	7.58669395	10.19385937	12.14396258
Bi	5.88247696	7.71133875	5.58097841
Bi	4.07669226	9.75068575	8.10904326
Bi	5.45761470	7.10224570	10.02073265

Pd₂₀Bi₁₄

Pd	7.48229891	12.30808982	9.83338095
Pd	10.69416625	9.34707595	9.05909374
Pd	8.94594854	7.22638097	9.82285131
Pd	6.45580542	7.92781143	10.92439483
Pd	10.11103785	8.88903159	11.67914410
Pd	9.98901692	11.97759078	8.51519359
Pd	10.90548285	6.26820745	11.49229434
Pd	8.18058478	9.81345121	9.82681702
Pd	11.42760079	6.67475173	8.82597170
Pd	11.41842004	9.45214163	6.47962350
Pd	13.25197102	8.53567422	8.17898026
Pd	10.25722238	4.96512794	6.98719982
Pd	9.46093768	7.53169798	7.09046204
Pd	8.73107638	10.13976759	7.00771209
Pd	6.20642140	10.60767477	7.81131477
Pd	7.35856212	8.32900259	5.54081072
Pd	7.10311067	8.11639262	8.19043295
Pd	4.52174372	8.49916631	8.76284516
Pd	5.60625818	6.44186532	6.65608037
Pd	7.80461599	5.45241651	8.19952673
Bi	7.69669345	9.84866818	12.60205986
Bi	7.75195489	12.72403218	7.20878370
Bi	8.43601854	6.80809770	12.44985876
Bi	12.58557899	8.25280244	10.74915160
Bi	9.90057033	11.58221747	11.08950157
Bi	9.89742163	4.60461014	9.65641127
Bi	12.56093777	11.18169760	8.17357870
Bi	12.03324770	6.89085586	6.20619483
Bi	10.49164123	11.90590032	5.69027685
Bi	9.68369928	9.12467201	4.48540274
Bi	5.48087629	10.43472262	10.36095674
Bi	4.84860696	8.95925897	6.17397346
Bi	5.45492606	6.04749034	9.28613047
Bi	7.98396799	5.74580519	5.57419445

Pd₂₀Bi₁₅

Pd	9.38823772	8.15080360	11.29833739
Pd	11.91111089	10.02577681	9.11726503
Pd	7.30950061	11.29231015	8.44217719
Pd	7.12671016	9.63590931	10.52500984
Pd	9.61318951	11.09417813	10.21013985
Pd	11.84763159	7.52285249	10.08294793
Pd	9.04393827	13.26750182	8.63530371
Pd	9.67648629	8.73490802	8.78036654
Pd	9.94447552	11.02067149	7.21758405
Pd	12.19660347	8.19908142	6.91967968
Pd	13.02789389	10.83099077	6.95379535
Pd	8.63948133	10.49661954	4.87870787
Pd	9.61680334	8.37593332	6.10804536
Pd	10.35789403	6.27331108	8.02643547
Pd	7.91353953	6.56864197	9.46720626
Pd	8.02142513	6.29371570	6.50553059
Pd	7.34680701	8.68353913	7.74759229
Pd	5.46721384	7.70041909	9.61449876
Pd	4.97186360	7.99401683	6.76797813
Pd	6.13670324	10.58542070	6.12261367
Bi	8.49244590	10.32125063	12.72633367
Bi	10.09105466	5.60549772	10.80021514
Bi	7.39725462	12.50418700	10.80933500
Bi	11.59970095	12.55795012	8.69044201
Bi	11.54308428	9.74416812	11.71240266
Bi	7.92914470	12.62738299	6.21037559
Bi	14.18083344	8.66025786	8.72517796
Bi	11.36361564	10.11670420	5.08045132
Bi	13.01696114	5.89157327	8.28705569
Bi	10.96890509	6.21134681	5.47091224
Bi	8.65636412	4.26636898	8.12534576
Bi	6.89923964	7.28639482	11.89441435
Bi	5.74812525	5.71475710	7.90118823
Bi	4.95481654	10.07832495	8.53495169
Bi	7.00513581	8.34738115	4.98814623