

We found 48 max and choose (1,17). Then start our algorithm:

Was bag	Max on:	Value of max	New bag
1,17	3	1.71	1,17,3
1,17,3	5	2.52	1,17,3,5
1,17,3,5	28	3.249	1,17,3,5,28
1,17,3,5,28	32	4.149	1,17,3,5,28,32
1,17,3,5,28,32	2	4.788	1,17,3,5,28,32,2
1,17,3,5,28,32,2	7	5.6151	1,17,3,5,28,32,2,7
1,17,3,5,28,32,2,7	14	6.327	1,17,3,5,28,32,2,7,14
1,17,3,5,28,32,2,7,14	26	7.146	1,17,3,5,28,32,2,7,14,26
1,17,3,5,28,32,2,7,14,26	4	7.956	1,17,3,5,28,32,2,7,14,26,4
1,17,3,5,28,32,2,7,14,26,4	8	8.685	1,17,3,5,28,32,2,7,14,26,4,8
1,17,3,5,28,32,2,7,14,26,4,8	29	9.447	1,17,3,5,28,32,2,7,14,26,4,8,29
1,17,3,5,28,32,2,7,14,26,4,8,29	18	10.143	1,17,3,5,28,32,2,7,14,26,4,8,29,18
1,17,3,5,28,32,2,7,14,26,4,8,29,18	22	10.8611	1,17,3,5,28,32,2,7,14,26,4,8,29,18,22
1,17,3,5,28,32,2,7,14,26,4,8,29,18,22	19	11.5811	1,17,3,5,28,32,2,7,14,26,4,8,29,18,22,19
1,17,3,5,28,32,2,7,14,26,4,8,29,18,22,19	9	12.4001	1,17,3,5,28,32,2,7,14,26,4,8,29,18,22,19,9
1,17,3,5,28,32,2,7,14,26,4,8,29,18,22,19,9	25	13.202	1,17,3,5,28,32,2,7,14,26,4,8,29,18,22,19,9,25

This iteration is ended because max was found on 2 row but 2 was added to bag earlier. So first cluster is {1,17,3,5, 28,32,2,7,14,26,4,8,29,18,22,19,9,25}.

Next iteration we did with matrix {2,6,10,11,12,13,15,16,20,21,23,24,27,30,31,33}:

Was bag	Max on:	Value of max	New bag
2,12	6	1.71	2,12,6
2,12,6	15	2.439	2,12,6,15
2,12,6,15	27	3.32	2,12,6,15,27
2,12,6,15,27	16	3.978	2,12,6,15,27,16
2,12,6,15,27,16	21	4.707	2,12,6,15,27,16,21
2,12,6,15,27,16,21	23	5.389	2,12,6,15,27,16,21,23
2,12,6,15,27,16,21,23	30	6.037	2,12,6,15,27,16,21,23,30
2,12,6,15,27,16,21,23,30	31	6.748	2,12,6,15,27,16,21,23,30,31

This iteration is ended because max was found on 15 row but 15 was added to bag earlier. So second cluster is {2,12,6,15,27,16,21,23,30,31}.

Next iteration we did with matrix {10,11,13,20,24,33}. And it was last iteration.

So we have three clusters:

1st - {1,17,3,5, 28,32,2,7,14,26,4,8,29,18,22,19,9,25}.

2nd - {2,12,6,15,27,16,21,23,30,31}.

3rd - {10,11,13,20,24,33}.