

Input matrix

1	0	1	0
1	0	0	1
0	1	0	1
0	1	0	1
0	1	0	1
1	0	1	0
1	0	1	0

 $\pi$ 

2
3
7
6
1
5
4

Permuted matrix

0	1	0	1
1	0	1	0
1	0	0	1
1	0	1	0
1	0	1	0
0	1	0	1
0	1	0	1

Signature matrix

2	1	2	1
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