Раскодировка Прюфера

По заданному коду Прюфера построить дерево, найти радиус r и диаметр d графа. Записать десятичную кодировку дерева с корнем в вершине 7.

Задача 11.1 6, 7, 10, 7, 8, 4, 3, 8, 13, 15, 16, 17, 13, 18, 20, 22, 21, 16, 17, 18, 19, 19, 20 *11.3*	**Задача** 11.2 1, 6, 6, 11, 5, 4, 3, 8, 16, 17, 14, 9, 8, 13, 18, 24, 25, 16, 17, 18, 23, 23, 24 *11.3*	**Задача** 11.3 2, 1, 6, 9, 10, 7, 8, 7, 12, 15, 16, 12, 17, 14, 19, 19, 18, 21, 16, 17, 18, 23, 24 *11.3*
Задача 11.4 6, 3, 8, 9, 10, 7, 14, 15, 11, 12, 20, 22, 17, 18, 17, 12, 7, 8, 9, 10, 15, 20, 25 *11.3*	**Задача** 11.5 6, 7, 8, 9, 10, 11, 8, 9, 14, 15, 16, 13, 20, 17, 19, 22, 17, 18, 18, 13, 14, 19, 24 *11.3*	**Задача** 11.6 6, 7, 8, 9, 10, 7, 8, 9, 9, 14, 12, 17, 14, 15, 20, 21, 18, 19, 20, 25, 22, 23, 24 *11.3*
Задача 11.7 6, 7, 4, 3, 8, 7, 12, 8, 13, 15, 12, 13, 14, 15, 20, 19, 16, 17, 18, 23, 18, 19, 24 *11.3*	**Задача** 11.8 6, 7, 8, 9, 10, 11, 8, 9, 14, 15, 16, 13, 20, 17, 19, 22, 17, 18, 18, 13, 14, 19, 24 *11.3*	**Задача** 11.9 2, 7, 8, 4, 9, 6, 11, 13, 14, 15, 11, 16, 18, 19, 20, 18, 25, 16, 17, 17, 18, 23, 24 *11.3*
Задача 11.10 4, 3, 1, 2, 3, 8, 9, 14, 20, 21, 16, 11, 12, 18, 17, 12, 7, 8, 9, 14, 19, 20, 25 *11.3*	**Задача** 11.11 6, 3, 8, 9, 10, 7, 8, 16, 13, 14, 15, 15, 10, 9, 8, 13, 18, 21, 16, 17, 18, 23, 24 *11.3*	**Задача** 11.12 2, 3, 4, 5, 10, 11, 12, 7, 8, 8, 9, 10, 15, 15, 20, 16, 17, 18, 23, 18, 19, 20, 25 *11.3*
Задача 11.13 6, 7, 8, 4, 9, 11, 12, 13, 14, 15, 16, 17, 18, 14, 19, 16, 17, 22, 23, 23, 18, 19, 20 *11.3*	**Задача** 11.14 6, 7, 8, 9, 10, 7, 12, 16, 11, 12, 23, 18, 17, 12, 13, 19, 14, 13, 8, 9, 10, 15, 20 *11.3*	**Задача** 11.15 1, 6, 8, 9, 10, 10, 9, 19, 16, 11, 6, 7, 17, 12, 7, 8, 18, 13, 8, 9, 14, 19, 24 *11.3*
Задача 11.16 2, 7, 8, 9, 10, 10, 9, 8, 21, 17, 12, 11, 6, 7, 8, 13, 14, 19, 20, 25, 22, 23, 24 *11.3*	**Задача** 11.17 2, 11, 2, 3, 8, 5, 4, 3, 8, 13, 11, 16, 18, 16, 17, 17, 18, 23, 18, 13, 14, 15, 20 *11.3*	**Задача** 11.18 2, 1, 6, 5, 10, 11, 8, 9, 14, 15, 12, 13, 14, 13, 18, 21, 22, 18, 23, 25, 22, 23, 24 *11.3*
Задача 11.19 1, 6, 11, 12, 8, 15, 10, 5, 4, 3, 8, 13, 11, 12, 13, 18, 24, 25, 22, 17, 18, 23, 24 *11.3*	**Задача** 11.20 8, 4, 9, 1, 2, 7, 9, 18, 14, 18, 23, 19, 16, 11, 12, 7, 8, 9, 14, 19, 24, 23, 24 *11.3*	**Задача** 11.21 6, 7, 5, 4, 3, 8, 11, 22, 14, 15, 14, 9, 8, 21, 16, 11, 6, 7, 8, 13, 18, 23, 24 *11.3*
Задача 11.22 6, 7, 4, 3, 8, 7, 12, 8, 13, 15, 12, 13, 14, 15, 20, 19, 16, 17, 18, 23, 18, 19, 24 *11.3*	**Задача** 11.23 2, 7, 4, 3, 8, 7, 12, 13, 9, 14, 12, 17, 18, 14, 19, 21, 22, 19, 19, 24, 22, 23, 24 *11.3*	**Задача** 11.24 6, 3, 8, 4, 9, 7, 12, 13, 14, 15, 16, 17, 13, 18, 20, 18, 17, 16, 21, 25, 22, 23, 24 *11.3*
Задача 11.25 2, 3, 2, 7, 10, 7, 12, 8, 13, 15, 12, 13, 14, 16, 17, 17, 18, 19, 24, 19, 14, 15, 20 *11.3*	**Задача** 11.26 2, 7, 18, 13, 8, 3, 21, 16, 11, 12, 7, 2, 3, 4, 24, 19, 14, 9, 4, 5, 10, 15, 20 *11.3*	**Задача** 11.27 2, 3, 8, 5, 10, 15, 14, 20, 16, 11, 17, 18, 17, 12, 11, 6, 7, 8, 9, 14, 15, 20, 25 *11.3*

Задача 11.28	**Задача** 11.29	**Задача** 11.30
6, 7, 3, 14, 5, 4, 3, 2, 7, 12, 16, 12, 17, 15, 20, 21, 16, 17, 18, 18, 19, 19, 20	2, 3, 4, 5, 10, 11, 12, 7, 8, 8, 9, 10, 15, 15, 20, 16, 17, 18, 23, 18, 19, 20, 25	6, 2, 7, 5, 10, 11, 13, 8, 10, 9, 8, 7, 6, 11, 16, 23, 22, 21, 16, 17, 18, 19, 20
11.3	*11.3*	*11.3*

Раскодировка Прюфера

	r	d	Центр	Кодировка(10)
1	5	10	18	197666973806880
2	6	12	18	254809790142480
3	6	12	17	264859732085184
4	6	11	8, 9	226970994534192
5	6	12	13	201140886171840
6	7	13	15, 20	197280191870976
7	6	12	15	197346482479872
8	6	12	13	201140886171840
9	7	13	17, 18	227583809519760
10	6	12	8	273533003430000
11	6	11	8, 13	226970909499840
12	7	13	10, 15	280405469135160
13	6	12	23	210092384422944
14	6	11	8, 13	197669121221088
15	5	10	8	254046055963704
16	8	16	14	228163378477056
17	5	10	13	244331091404160
18	6	11	12, 13	281203815876480
19	6	12	8	273365546769792
20	6	12	9	250082453766384
21	6	12	7	201142950578112
22	6	12	15	197346482479872
23	7	14	24	223724733137472
24	8	15	16, 21	228146519358480
25	6	11	13, 14	238281510340800
26	7	13	2, 3	246024052149216
27	7	13	7, 8	277679240088960
28	7	13	12, 17	273283896296592
29	7	13	10, 15	280405469135160
30	7	13	6, 11	226220348340504