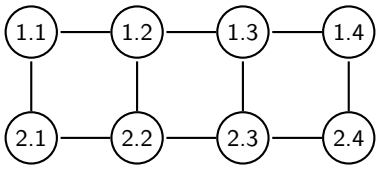
GRAPHS TEST

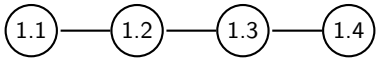
Riportiamo di seguito alcuni possibili famiglie di grafi e relativa tabella degli insiemi indipendenti ottenuti con algoritmo forza bruta. Questo documento é ottenuto eseguendo la classe GraphsTest.java sotto il package test.unimi.isa.graphs

1. Grafo $P_2^{(1)} \times P_4^{(1)}$



$T(n,k)$	$k=0$	1	2	3	4	5	6	7
0	1							
1	1	2						
2	1	4	2					
3	1	6	8	2				
4	1	8	18	12	2			
5	1	10	32	38	16	2		
6	1	12	50	88	66	20	2	
7	1	14	72	170	192	102	24	2

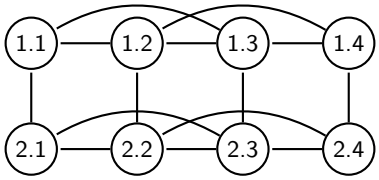
2. Grafo $P_1^{(1)} \times P_4^{(1)}$



$T(n,k)$	$k=0$	1	2	3	4	5	6
0	1						
1	1	1					
2	1	2					
3	1	3	1				
4	1	4	3				
5	1	5	6	1			
6	1	6	10	4			
7	1	7	15	10	1		
8	1	8	21	20	5		
9	1	9	28	35	15	1	
10	1	10	36	56	35	6	
11	1	11	45	84	70	21	1

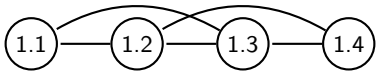
Date: January 14, 2016.
Key words and phrases. sample.tex.

3. Grafo $P_2^{(1)} \times P_4^{(2)}$



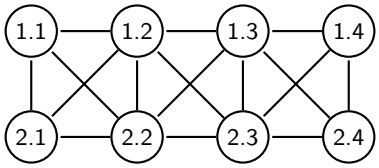
$T(n,k)$	$k=0$	1	2	3	4	5
0	1					
1	1	2				
2	1	4	2			
3	1	6	6			
4	1	8	14	4		
5	1	10	26	18	2	
6	1	12	42	48	14	
7	1	14	62	102	56	6

4. Grafo $P_1^{(1)} \times P_4^{(2)}$



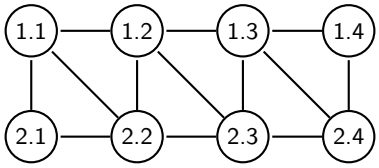
$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	1			
2	1	2			
3	1	3			
4	1	4	1		
5	1	5	3		
6	1	6	6		
7	1	7	10	1	
8	1	8	15	4	
9	1	9	21	10	
10	1	10	28	20	1
11	1	11	36	35	5

5. Grafo $P_2^{(1)} \times Z_4^{(1)}$



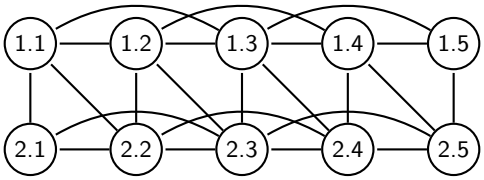
$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	2			
2	1	4			
3	1	6	4		
4	1	8	12		
5	1	10	24	8	
6	1	12	40	32	
7	1	14	60	80	16

6. Grafo $P_2^{(1)} \times F_4^{(1)}$



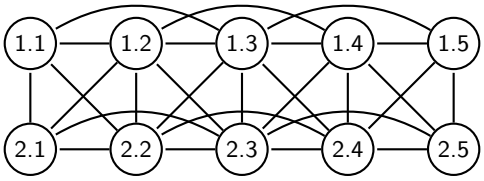
$T(n,k)$	$k=0$	1	2	3	4	5
0	1					
1	1	2				
2	1	4	1			
3	1	6	6			
4	1	8	15	4		
5	1	10	28	20	1	
6	1	12	45	56	15	
7	1	14	66	120	70	6

7. Grafo $P_2^{(1)} \times F_5^{(2)}$



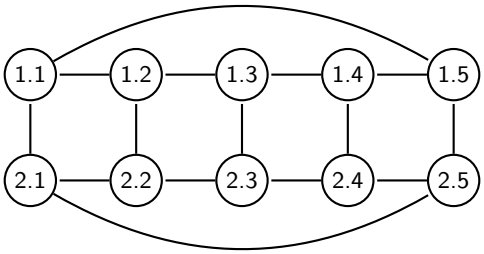
$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	2			
2	1	4	1		
3	1	6	4		
4	1	8	11	2	
5	1	10	22	10	1

8. Grafo $P_2^{(1)} \times Z_5^{(2)}$



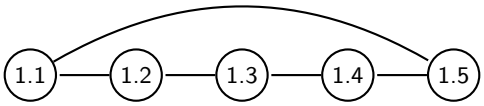
$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	2			
2	1	4			
3	1	6	2		
4	1	8	8		
5	1	10	18	2	
6	1	12	32	12	
7	1	14	50	38	2

9. Grafo $P_2^{(1)} \times C_5^{(1)}$



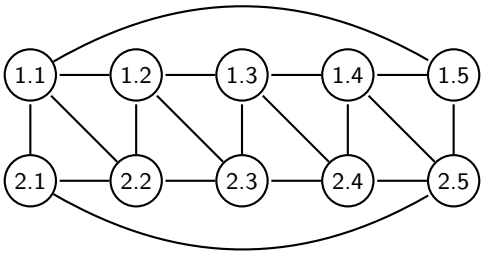
$T(n,k)$	$k=0$	1	2	3	4	5	6
0	1						
1	1	2					
2	1	4	2				
3	1	6	6				
4	1	8	16	8	2		
5	1	10	30	30	10		
6	1	12	48	76	48	12	2
7	1	14	70	154	154	70	14

10. Grafo $P_1^{(1)} \times C_5^{(1)}$



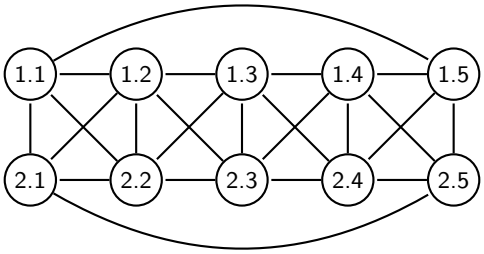
$T(n,k)$	$k=0$	1	2	3	4	5
0	1					
1	1	1				
2	1	2				
3	1	3				
4	1	4	2			
5	1	5	5			
6	1	6	9	2		
7	1	7	14	7		
8	1	8	20	16	2	
9	1	9	27	30	9	
10	1	10	35	50	25	2
11	1	11	44	77	55	11

11. Grafo $P_2^{(1)} \times CF_5^{(1)}$



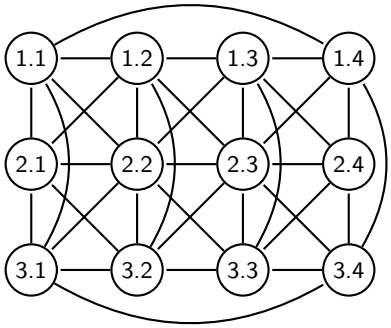
$T(n,k)$	$k=0$	1	2	3	4	5
0	1					
1	1	2				
2	1	4	1			
3	1	6	4			
4	1	8	13	2		
5	1	10	26	14	1	
6	1	12	43	46	9	
7	1	14	64	106	50	4

12. Grafo $P_2^{(1)} \times CZ_5^{(1)}$



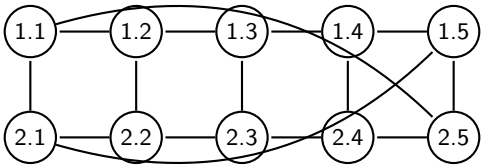
$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	2			
2	1	4			
3	1	6	2		
4	1	8	10		
5	1	10	22	4	
6	1	12	38	24	
7	1	14	58	68	8

13. Grafo $P_3^{(2)} \times CZ_4^{(1)}$



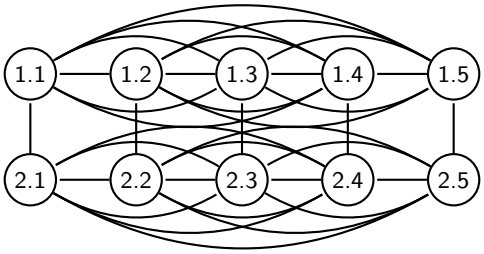
$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	3			
2	1	6	2		
3	1	9	11		
4	1	12	31	12	2

14. Grafo $P_2^{(1)} \times M_5^{(1)}$



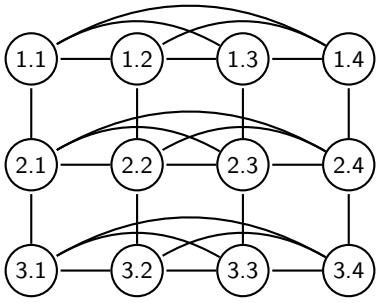
$T(n,k)$	$k=0$	1	2	3	4	5	6	7
0	1							
1	1	2						
2	1	4						
3	1	6	6	2				
4	1	8	16	8				
5	1	10	30	30	10	2		
6	1	12	48	76	48	12		
7	1	14	70	154	154	70	14	2

15. Grafo $P_2^{(1)} \times C_5^{(3)}$



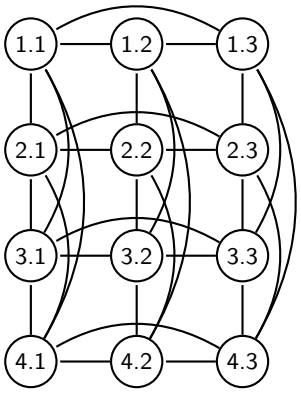
$T(n,k)$	$k=0$	1	2
0	1		
1	1	2	
2	1	4	2
3	1	6	6
4	1	8	12
5	1	10	20
6	1	12	30
7	1	14	42

16. Grafo $P_3^{(1)} \times P_4^{(3)}$



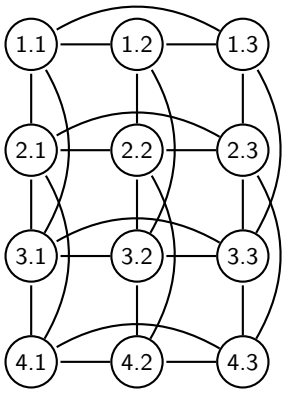
$T(n,k)$	$k=0$	1	2	3
0	1			
1	1	3	1	
2	1	6	8	2
3	1	9	21	12
4	1	12	40	36

17. Grafo $P_4^{(3)} \times P_3^{(2)}$



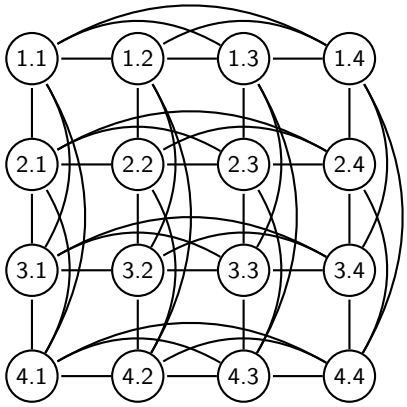
$T(n,k)$	$k=0$	1	2	3
0	1			
1	1	4		
2	1	8	12	
3	1	12	36	24

18. Grafo $P_4^{(2)} \times P_3^{(2)}$



$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	4	1		
2	1	8	14	4	
3	1	12	39	36	6

19. Grafo $P_4^{(3)} \times P_4^{(3)}$



$T(n,k)$	$k=0$	1	2	3	4
0	1				
1	1	4			
2	1	8	12		
3	1	12	36	24	
4	1	16	72	96	24