Mapas de Karnaugh

① Simplifique as seguintes equações usando mapas K:

1. $f(A,B,C) = \sum m(0,2,3)$
2. $f(A,B,C) = \sum m(1,2,4,6,7)$
3. $f(A,B,C) = \sum m(0,1,2,3)$
4. $f(A,B,C) = \sum m(0,2,4,6)$
5. $f(A,B,C) = \sum m(0,3,5,6)$
6. $f(A,B,C,D) = \overline{A}\,\overline{B}\,C + A\,D + B\overline{D} + C\,\overline{D} + A\,\overline{C} + \overline{A}\,\overline{B}$
7. $f(A,B,C,D) = (A+B+\overline{C})(\overline{B}+\overline{D})(\overline{A}+C)(B+C)$
8. $f(A,B,C,D) = \prod M(0,5,7,13,14,15)$
9. $f(A,B,C,D) = \prod M(1,4,6,8,11,13,14)$
10. $f(A,B,C,D) = \prod M(1,2,4,5,7,8,10,11,13,14)$
11. $f(A,B,C,D) = \prod M(0,5,7,8,9,10,11,13)$
12. $f(A,B,C,D) = \sum m(0,1,4,5,9,11,14,15) + d(10,13)$
13. $f(A,B,C,D) = \sum m(0,13,14,15) + d(1,2,3,9,10,11)$
14. $f(A,B,C,D) = \sum m(0,6,9,10,13) + d(1,3,8)$
15. $f(A,B,C,D) = \sum m(1,4,7,10,13) + d(5,14,15)$
16. $f(A,B,C,D,E) = \sum m(0,4,8,12,16,20,24,28)$
17. $f(A,B,C,D,E) = \sum m(0,2,5,8,13,15,18,21,24,29,31)$
18. $f(A,B,C,D,E) = \sum m(3,4,6,9,11,13,15,18,25,26,27,29,31)$
19. $f(A,B,C,D,E) = \sum m(1,5,8,10,12,13,14,15,17,21,24,26,31)$
20. $f(A,B,C,D,E) = A + B\,C + \overline{C}\,D\,\overline{E}$
21. $f(A,B,C,D,E) = (A+B)(B+C)(C+\overline{D})(D+\overline{E})$
22. $f(A,B,C,D,E) = \sum m(1,4,6,10,20,22,24,26) + d(0,11,16,17)$
23. $f(A,B,C,D,E,F) = \prod M(2,3,6,7,10,14,18,19,22,23,27,37,42,43,45,46)$
24. $f(A,B,C,D,E,F) = \prod M(6,9,13,18,19,25,27,29,41,45,57,61)$
25. $f(A,B,C,D,E,F) = \prod M(4,5,6,7,8,18,20,23,25,26,27,28,37,38,42,44)$