

eacerise 1 (sop example) sop: sum of the products
Simplify the following expression using K-map.

f= way atway = tway + tway =

Soli 42 42 42 92

Will o o il li

will o o o o o

The simplified version f. Is one on we and always when it is I (w not needed) on 42 and the cells are I when or not we and always when it is I' feath are I when the or nor 2 and is one bund always if is I' feath. (I not needed)

enemise (2) ( Sop enample):

Simply expression f= &m(4,6,12,14)

801:

wa	0	0	0	0	
TOX -	17		0	1	-
wz	1)	U	0	17	-
WAT	0	0	0	0	1

I prime Simplicant

on wa -and the cells are "I' whither or not y is one and always 2 is 2000. The simplified captereth f.

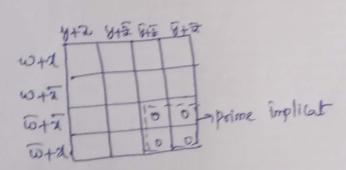
Palenise: (pos - Kmap) (: Pos k-map procedure some eacept see map '65)

1	1+2	みち	8+2	9+2
wta	0000	0001	0011	0010
いれる	0100		0111	0110
10+2	1100	1101	1111	1110
16+x	100	1	1011	1010

we find prime implicants exactly some way - except that use book - for variable the product Forms of S.

ex: simply the following expression.

十一(のナオナダナ京)、(のナオナダナス)、(のナメナダナス)、(のナメナダナス)



The simplified capression

In war-axis the cells all zero' whether a is zero zero or one and w
to always o'. : to

In y2 and the Cells are 2000 of whatier y is always zero and 2 is whether zero or one. ! y