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Subject: Design and Analysis of Algorithm
Exp 7: To implement Balabanking I so
Exp7: To implement Backtracking algorithm Date: 1/12/22
Following is the elgorithm for:
Finding a substitute of an army of
Sim-of-subjects (S, K, r) = Trikally S=0 X[K]=1 Keo
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if (w[h]+S==0=)
point the subjet; clearets in the
else, f (S+ w[k)+w[kn] < =d)
som-of-subsets (Star [k), ken, x-w [k])
if (S+x-w(E)>=d) and (S+ co(k+1)>=d)
N [K) = 0
sm-of-sheds (5, (cm, 8-w(1))
Functions con and variables used: -
V() -> bottom come used to include or disclude
200
d -> Target sun
void sum-of-subsels()
N .
La points all the subsets that sum to d'.
Condustion:

Backtracking approach was used to print subsets of an array that sum to a given number.