Backtnacking Problemstatement > SUlation n-tuple (2, ---, 2m) (nterion Function (Bounding Function) Constanints Josphicit: Dearn besthe way in which to ead

whore do you save on time compare to brutefold All The major advintage of this method (buckterating) o (ombornation chocked Ifitis realized that the partial vector Ge, 2,,-,2e;) can no naplead to an optimal solution, than mo. my possible test vectors Can be ignored enfirely.

J-greon Molem All solutions to 8-9 hoars problem 3/3 Implicit Constraint:
No two x; s can be the Same (or to x; to the each (No two greens are in same of rein () that

Viagnal Attack SorPrinning diagonal tree (bottom)

(Lil) (2,2), (3,3), (4,4) (55) (1,T) (2/h), (3,3), (4,2), (5,1) 5 /! (RightTob to hoff lottom) (3)!2=) (2,2) (1,3)tre slope should be oqual. 3 4-12) (251-3) (13,4) => (1,12), (2,13), (4,15) - re stope $\rightarrow)$ (215) (4,3) (5,2)Summation should

Atgorithm Naucons (Kn) tisted n giverns if Place (t,i)-2 C K 7 - 1) // column if (K==M) then worshalf cho Nqueen (KH, n); Coxit?

Algorithm Place (K,i) [12/How to call // Returns true if a queon can be placed
others in kt new and its column. | re [] is 2017は人 otherwise it returns forese. global array for j=1 to K-1 do if (xxjJ-1) // Two in schme cotumn whose Ing K-1 values. have been (ABS(MIJ-1) = Abs (j-K)) set. Theo return fulse of alexand had had 3 voturn + Fine;

problem state i Ni Acs Facosolic nunfixed nunfixed state Solution stabe Fixed answor starte Despusal La answor Stut Sterte space optimul where the bally it constraints we satisfied. solution space State Space tree? the thee organization of the solution space is repensed to as tenostrute space for