Logenearate gitness bouch capes $X = dX_1, ..., xpl \longrightarrow X_i \in doiny \forall izo... N$ LD séqueure binaire F -> global filmon F = \$ } \(\(\text{Xi} \), \(\text{Xi} example: N= 6, K=2, X=001,110 $F = 0 \quad \begin{cases} k \left(x_1, \dots, x_{i+k} \right) = \begin{cases} k \left(001 \right) \end{cases}$ 3 8 x (x3, ..., x5) = 8 x (111) 4 (3) 816(x4,..., X6) = 816 (410) Ct

now who have to define fin fx los (k+1)2 possible outcomes

> 11 101 10 100 Cm 1= 21 Cm possible value

= F X

Hill climster he ethodo Deferministie bill clims: A geneerate randomly initial requence of N Sits

Description with highest fitness X = 00 00 01 is the neighbour

Change 1 bit Prosesility: 1 Same @ solphion done in stollastic unaver porosasibiles of selection

Set of weighsoor of X

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