150284 Sofya Aksenyuk AI 03 T 2022 ex. s. Random sequential algorithm (for vertex coloring) has no praph hard to color, since praph is considered to be hard to color if any algorithm implementation, for this graph colors it not optimally. But sonce random sequential alposition's worst case is site) = O(n), of what implementation is used, or. 2. In consequences of described alport thurs for the P-NP, PINP open questron is that, I as for P-NP, such problem can be solved using DTM which pres us polynomial time. But as for Such algorithms don't prove P=NP mitrally. If A exists then P=NP.

1502 84. OB TO 2022 AI. a) D+1 always (greety way of colings).
- can be checked in polytomial the the b) D it prapsh got no clique of size w(f)= 0+4 as well as 1f is not a odd leugth cycle. Lepree is true for bipartite graphs. a) can be checked in polynomial b) can't be checked on polynomial forme sonce clique is NP-Mard, c) posts te graphs can be checked on polynomial time.