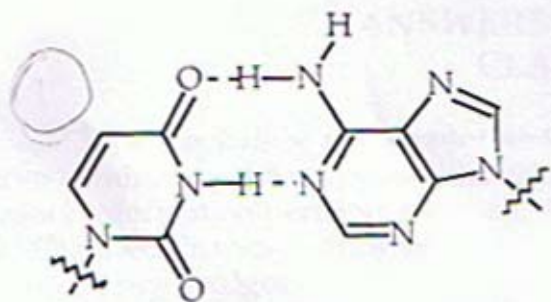


H-Bond - primary factor in process of 1:1. one base is recognizing each other  $\rightarrow$  mech. is recognizing each other

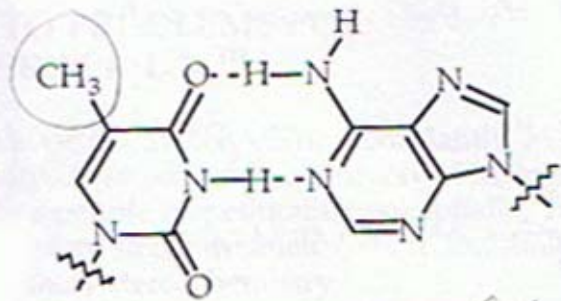
Base Stack keeps helix  $\rightarrow$  Force keeps (edf) bases stack  $\rightarrow$  they are flat rings so

8. Draw a structure showing the hydrogen bonding between uracil and adenine and compare it with that for thymine and adenine.

The hydrogen bonding is of the same type since the only difference between uracil and thymine is the presence of a methyl group in the latter.



A-U



A-T

1 will not do it.  
2 is enough  
3 is even better

aromatic  
keep this to  
get the is  
the (edf)  
Pg 3  
mini