Bonus Homework 13. ame with sales (depende on impenentation a) & Implemented in "Horsechess. Cpp". Problem 13.2 a) The Robin korp algorithm works by matching the hash value of pattern with the 10th Lots consider on example has a without the self me with 28th now when hard value is Text= "Hello World" Patern = "Wor" A A A Day 200 200 1000 the dustry is basish alsoft a regard Initially the algorithm finds out the length of the string as this will be make it possible to know go through the characters one by one the work case has ampliante Olim) Just the first 2 words of Text an of Text and with that of pattern: This is the volk of the first 100p. Now enter the second loop. We only The hash values match. Very important thing to keep in mind even though

"row" and "wor" might produce Some Mash value (depends on impromonatation). the word characters search may come true this is why we still individually go through the word. Suppose Mash value of wor was 281. The program will loop will calculate the hash value of the Et 3 characters in the text pattern and compare it with 281. Now when hash value is same it will only then compare Characters and it it is a match the answer is posted greatly reducing the comparismo. langth of the ching as this will too Thorotore the worst average and best ruse have complexity Oln+m) where as the worst case has complexity O(nm) such as & searching "00" in "00000000". Implemented in "Rabin. cpp".