Exercise Sheet A) = Quicksout bers in a empty hashlable and B Operations The worst case is, when The dean't split the list lea e singlest or highest elemen all citterations. the hounth of On each recursion recursion is reduced by one are n-1 vecurs average logth of h/2 A = 0 (n2 and I when all elemente are The worst same bucket mapedin the bucket selection has costs 0(1 & link The costs of appending B = 0 (1) operation > Block memory access is randomly, Iwo following write operation are not necessary in a close me mory advess. The cache as (B): The memory gocess s in If an advess is read its very likely The advesses close by ave well. This should be cach more efficient, should The mapping Peri be complexits difference of over the ouche efficiency

We can argue that for small no the impact of cache efficiency could have an impact. at the end) Ex. 4 the increas of the End is roused by the ouche efficercy ruhich begins to have an impact with increasing required