Matching Tags in Markup -> this algorithm runs in O(n) time make left - right pass thru raw string, using index; to truck progress and the find method to locate is or 's which define beginning beard of tags det is matched - html (vaw): S = Array Stack() // find first < (If any) ; = raw.find(<) while j != - 1: k= vaw.find('>',;+1) // find next > if k == - 1: Minvalled tag return False // strip away < 7 tag = raw[jtlik] if not tag. startswith (1/1) // opening tag S. push (tag) // closing tag if S.is-emptyl) Il nothing to match return False if tag[1:] != S.pop(): // mismatched delimiter return False i = raw.find ('c', k+1) // find next & if any Il were all tags matched? return S. is-empty() Queues - collection of objects inserted and removed according to FIFO principle -> elements can be inserted anytime, but only element which has been in longest can be popped off - Queue ADT: - a. enqueuele): add e to back of q - O. dequeuel): remove longest wait

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