20 The Suppose Now, The Problem. Cavolid abe all a Notice, 0 mides 20 ssumption: CLia Candidak hetteto be Himie cost Single Cosb hiring we Supposse quality le !! and معت thrat 3 Opr cost candidate than his CLRS X B Suppose, اعلا 8-412 Arra . hiring ? Sends hindra 2/ June : 92291) 2002 لمقا 5 heat to far 100 ET. medi soilts 3 हा interviewing 57 3 5 73.CL intermentation neot The Hiring Problem 3 Randomized The ship we 200 1-1 "hive will be Candidates; 9 July (ic, lie 24 ヘヘン amind . and hiring costag interviewing) don condidate let lize 24 (already tre had 3 alik, 2 "candidates, Algorilans , cos b s) agener acu all n CL 6 क्र in condidate, if onecondidate on a Cost 3 hear 240 2 103 Interviewing a Som. 40 candidates, blus the himed & 2 Sent 000 عر Page # the X Lucome hiring the (C/) cost C1 50360 21/51 and delegate the newb 2/2 total 2 the

Representation let X be a R. V. denoting the total no. of the denoting th	The space S and one [XA] = Pr {A} [XA] = Pr {A}	Hence, the total cost of huming becomes $O(C_{L},n+C_{h},m)$ Worst-cose. Thining all n considered by C_{h} and C_{h} and C_{h} are in the order $g.t$. Then $m=n$ is produce $g.t$. At $g.t$ < $g.t$ is repeatively. Ro, the worst-cose is $O(C_{h},n)$ Best-cose. When $G(C_{L},n)$ [The subsequent condidates are in this produce of a public; $g.t$ condidates pawie in substant or decorpt application.
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					Wort-Case	Compared to O(G, 1)	the ang. cost of huma is O(G. lnn)	ame nice approx. in (1)	average, when interview		An: nIE Harmonic number	5	(1)0+mm = [x] = :		l=1 (from lie Lemma)				E[x] = E		X = X, +X2 + +X3		(0) Olkewise	, carolidate i is hired				x. P(X-x)	Now, keek to the Honing Problem		
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