NIHA papergrid 1BM18 (5060 Date: / NAME HISALIC LAB-8 => Write a program for espor detecting using (RC (16-bit) tinelude Cstdio. 45 long int checksum (long int frame); (int main () print ("Enter the frame"); scanf (/ha") & inframe); integne = integne (checksum (integne);

print ("The trame to be transmitted in

yla in please);

print ("Enter the seceined frame:"); scanf ("/la" & 8 - kame);
print ("for the seceived pane"); flag = checks um (x-feather); else print (" In Earne !!! \n"); print ("In data received is exer free");

papergrid dong int Checksum (long int frame) long int posit-jeame, posit-gen, g=gen, posit-frame = msb (frame); posit-gen = msb (gen); voluile (posit gen <= posit frame) 91 = 9<< (posit-pame-posit-gen); posit-fearne = mab (fearne); printf ("The checksum is /la/n", frame); long int msh (long int demp) (temp==b)
Seturn b; while (temp >0) temp = temp << 1;

papergrid while Dijktrais algo to compute puth for a given topology. the shockest Apsendocodo. det dijsktra (graph, initial, end): shortest_paths = & i'utial: (None, 0)} misihed = set() and and office while current_node = end usited. add (current mode) destinations = graph edges [current vol) Shortest : paths [warent_node][1] for hext-node in destinations: weight = graph . weights [{ Current node ; mext node] + weight to went - node if next-node not in shoetest paths: shortest_paths [next_node] = (corent_node, weight) current - Shortest - heright = short patre [next node] [1] if curred_Shockert_unights weight shortest_paths[next_node] = (current node, muight)

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	Date: / /
	next-destination = & mode: shoetest-paths [node] por mode in shortest-paths if mode not in misited]
	for hode in shortest paths if node
	not in visited]
1	i' . A . A . A . A
1	but next_destinations;
	if not next_destinations: Return l'Route not possible"
-	august landa : C I a a a a a
4	custil-note = min(next_destanations,
1	tey = landa &: next_destination
	current-node = min (next_destinations, tey = landa &: next_destination [r][1]
	pain
	While current node is not None: path. append (current nod)
	path. append (cussert_hod)
And the second s	next_node = Shortest parts [cuesent_node][0]
	path = path [:: -1]
And in contrast of the last of	path = path [:: -1] print ('Shoekest Weight:', wrent_shoekest_neight) print (path)
To break the contraction	point (path)
-	print ('n')
-	
-	
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