

I say we have to move a piece from (21, 4) to (22, 52). The big dots are the places where the pipers is rest. The dotted lives are paths to move the pires. At first we were the prece to resting place to puth, then we transfer the piece, then we move it buck to the resting place. We desine to a suretime; function (x, v) = rest_to-path (x, n) if $(21, = \pm 8)$ neturn $(x_1 + \frac{d}{2}, y_1)$ else

return $(x_1 + \frac{d}{2}, y_1)$ (m, m) = porth to rest if $(n_2 = = 8)$ return (α_2 (x, y) = rest_to_path (n, in))f (x, = = 8) $\chi = \chi_1 - d/2$ else x = x1+d/2 3 if (5, = = 8) y= y1- d/2; ele y= 4,+ d(2;

noturn (x,y);

main program:

$$(x_1', y_1') = rest_{to-path}(x_1, y_1)$$

 $(x_2', y_2') = rest_{to-path}(x_2, y_2)$
move from (x_1, y_1) to (x_1', y_1') ;
move from (x_2', y_2') to (x_2', y_2') ;
move from (x_2', y_2') to (x_2', y_2') ;

Moving a priece from any two points (x1, x2) to (x2, x2) will be a function like this:

move (x1, y1, x2, y2)

move servo

move from (x_1, y_1) to (x_2, y_2) ;

wove from (x_2, y_1) to (x_2, y_2) ;

Here Hirw yes

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Delicement in the method two piece will hever collide the because we more them but in the path between two pieces. We evan add further instructions to the above function like this.

more (x1; n, x2, n2) move servo to (x,, y,); catch the piece; more from (x1, vs,) to (x2, vs,) 3 move from (12, 4,) to (12, 42); release piece; "current_position" of servo may be a global vorioble. he can write fund more functions do specific fastes: move_servo (x1, y1) moves servo from "current_position" (global voviable) to (x, M); toward HIAD White state shillow your Itag soil or 201 cotch-piece () Hill Han was IN all side and side side

move_x (x, n2) moves servo from x, x to x2 by operating the single/ the double motor; more-2 (N' NT) does the same for is direction release_pie cel more_n() and nove_y() functions and they actually do nothing but operation operating the motors. So, we can use them in Mure-servo() function or well. In more () furction we can add more () up dute current-position to (x2, 42);

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that ofter each move updates. Homb Mt Hevis with guitavino (N. N) C - ANDLY I does the summer for to divertison release pie cel officers and soul () Carrier four the vitoriago vontos vogo tado práctico escolos deservi