	DATE: 26-02-2025 13:09:40 USER: FRANGO DOB: BAICHMAK FAGE: 0002	
Y	v(i, j) = v(i, j) - dt * (u(i, j) * (v(i+1, j) - v(i-1, j)) / (2*dy)	1412THE
	end do end subroutine compute velocitu	3 4 5 6 7
	Junction to solve for pressure (simplified Poisson equation solver) subroutine update pressure(p, dx, dy) real, dimension(:,:), intent(inout) :: p real, intent(in), :: dx, dy integer :: i,	8 9 10 11
	real, intent(in), :: dx, dy integer :: i, j 12 / Simple pressure Dissan equation () acabi iteration)	13 14 15 16
	Simple pressure Poisson equation () acobi iteration) do $i = 7$,	17 18 19 20 21
	end do end do end do end do end subroutine updatepressure	22 23 24 25
	20 end program lid_driven_cavity 22	26 27 28 29
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	51 52 53	67 68 69 70 71
	54 55 56	72 73 74 75
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