38-2 - Addition of enguler momenta S+ (Sm) = h (S(S+1) - m(m-1) (S m ±1) 5_(sm) = tr (s(s+1)-m(m-1) | s m-1) \$5_(1) 4 = m is denoted as a positive gurantum valve 5_1sm) overall spin state goes up] = to (5(5+1) - m (m-1) | 5 m-1) @S= 2 because of the positive quantum value かんな(な)-「し(-な)」なって = 1 (4) - (-4) 1 - - - - - > = 5 (4) 12 - 2> = + (1) 17(-) + = 57_ +

38-2: Addition of enguler momenta S+ 15m) = h (5(S+1) - m (m-1) | 5 m ±1> 5_(sm) = tr (s(s+1)-m(m-1) (s m-1) aps (1) A - m is denoted as a positive quientum valve 5-15m) overell spin state goes up] = th \(s(G+1) - m (m-1) \ s m-1) @S= 2 because of the positive quantum value かんな(な)-「ししな)」なって = + (2)-(-4) 12 - 2> = 5 ((=) | = - = > = # (1) 17(-1 =カカーカ