6.15 YB = (-100i +200j +200k) mm 1BG = (-100i + 100j) mm VG = WX rBG = 200 (-2pip-zj+k) mm/s Vo = 200 X3 = 00.6 m/s 0 OG = WXVG  $\frac{240 \cdot 1000(2i-j+2k)mm/s^2}{06} = \frac{1200 \cdot 73}{000} = \frac{3.6 \, m/s^2}{1000}$ 0 Qe QG = IX YBG 0 = 6 100 (2 j + 2j - k)mm/s 0  $a_{6}^{t} = \frac{100 \times 3}{1000} = 0.3 \text{ m/s}^{2}$   $a_{6}^{t} = \frac{100 \times 3}{1000} = 0.3 \text{ m/s}^{2}$   $a_{6}^{t} = \frac{100 \times 3}{1000} = 0.3 \text{ m/s}^{2}$   $a_{6}^{t} = \frac{100 \times 3}{1000} = 0.3 \text{ m/s}^{2}$   $a_{6}^{t} = \frac{100 \times 3}{1000} = 0.3 \text{ m/s}^{2}$ 0 = at + ab = 100(26i -10j + 23k) mm/s2