According to the definition of shepard interpolation, we can get function (*) $u(s) = \begin{cases} \frac{\sum_{i=1}^{n} w_i(s) u_i}{\sum_{i=1}^{n} w_i(s)} \end{cases}$ (*) $0 \qquad \qquad (*)$ where $w_i(t) = \frac{1}{d(t_i, t_i)^p}$ With requests from the problem that neighbors within a radius of 3 and exponent p=2. We get: For point 7: d(th), 1/4) = 1,80277 OG(h2, /17)=1.80277 ds(t/3, t)= 0,5 duty, 77)=25 ols(hs, 7/7)= 3.5 04(1/6,14)=3,20156 For point 8: 0((t), 1/8)= 3,640055 06(1/2,1/8)=3.640055 detts, he)= 15 Ob(th4, 1/8) = 2061553 olths, 1/8/= 15 d(to, to)= 2061553 so we consider points 3,4,5,6. $U(8) = \frac{4}{03} + \frac{7}{00} + \frac{11}{003} + \frac{13}{000} = 8.37$