1. 直接给出解：x_i, u_i分别代表第i年投入的A,B两种产品的生产：
   $x_1 = 1000, x_2 = 900, x_3 = 0, x_4 = 0, x_5 = 0$
   $u_1 = 0, u_2 = 0, u_3 = 810, u_4 = 648, u_5 = 518.4$

2. 直接给出解($x_i = j$代表第i个人完成第j个工作)，代码见Homework2.m
   解:$x_1 = 2, x_2 = 1, x_3 = 4, x_4 = 3$

3. 直接给出解($x_i = j$表示E_i种零件j个),代码详见Homework3.m
   解:$x_1 = 1, x_2 = 1, x_3 = 3, maxvalue = 1.2000$

4. 直接给出解(x_i, u_i表示第i年剩余的机器数，应该投入生产A产品的个数)：
   解$x_1 = 100, u_1 = 0, x_2 = 65, u_2 = 0, u_3 = x_3 = 22.75, maxvalue = 7676.25$

5. 直接给出方案：代码详见Homework5.m
   Steps of cross river is 11

此岸	彼岸
Step 1 is (3, 3) –>(3, 1)	(0, 0) –>(0, 2)
Step 2 is (3, 1) –>(3, 2)	(0, 2) –>(0, 1)
Step 3 is (3, 2) –>(3, 0)	(0, 1) –>(0, 3)
Step 4 is (3, 0) –>(3, 1)	(0, 3) –>(0, 2)
Step 5 is (3, 1) –>(1, 1)	(0, 2) –>(2, 2)
Step 6 is (1, 1) –>(2, 2)	(2, 2) –>(1, 1)
Step 7 is (2, 2) –>(0, 2)	(1, 1) –>(3, 1)
Step 8 is (0, 2) –>(0, 3)	(3, 1) –>(3, 0)
Step 9 is (0, 3) –>(0, 1)	(3, 0) –>(3, 2)
Step 10 is (0, 1) –>(0, 2)	(3, 2) –>(3, 1)
Step 11 is (0, 2) –>(0, 0)	(3, 1) –>(3, 3)

6. 最短的时间：43
   最优的顺序：4 1 3 2 5 6