| User Story | Rentabilitāte  Uj  (10-100) | Story point  Pj  (1-10) | Ietekme  rj (1;1.3;1.7;2) | Korelācijas ietekme  aj  (0-0.5) | Korelējošās US  Yj | Pirmsnorises Dj |
| --- | --- | --- | --- | --- | --- | --- |
| R.01 | 80 | 9 | 2 | 0,3 | R.02; R.03; |  |
| R.02 | 85 | 8 | 2 | 0,3 | R.01; R.03; |  |
| R.03 | 85 | 9 | 2 | 0,3 | R.01 |  |
| R.04 | 60 | 5 | 1 | 0 |  |  |
| R.05 | 50 | 6 | 1 | 0 |  |  |
| R.06 | 40 | 4 | 1 | 0,5 |  |  |
| R.07 | 50 | 6 | 1,3 | 0 |  | R.05, R.06 |
| R.08 | 40 | 3 | 1,7 | 0 |  | R.07 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sprinta Nr. | 1 | 2 | 3 | 4 |
| Kapacitāte  Pimax | 20 | 20 | 20 | 10 |

**Mērķa funkcija:**

Q = 80\*(2\*( x11 + x21 + x31 + x41) +0.3\*( y11 + y21 + y31 + y41)/2)+

+85\*(2\* (x12 + x22 + x32 + x42) +0.3\*(y12 + y22 + y32 + y42)/2)+

+85\*(2\* (x13 + x23 + x33 + x43)+0.3\* (y13 + y23 + y33 + y43)/2)+

+60\*1\* (x14 + x24 + x34 + x44)+

+50\*1\* (x15 + x25 + x35 + x45)+

+40\*(1\* (x16 + x26 + x36 + x46)+0.5\* (y16 + y26 + y36 + y46)/2)+

+50\*1.3\* (x17 + x27 + x37 + x47)+

+40\*1.7\* (x18 + x28 + x38 + x48)

**Bāzes nosacījumi:**

1. Sprints:

9\*x1 1 + 8\*x1 2 + 9\*x1 3 + 5\*x1 4 + 6\*x1 5 + 4\*x1 6 + 6\*x1 7 + 3\*x1 8 ≤ 20

1. Sprints:

9\*x2 1 + 8\*x2 2 + 9\*x2 3 + 5\*x2 4 + 6\*x2 5 + 4\*x2 6 + 6\*x2 7 + 3\*x2 8 ≤ 20

1. Sprints:

9\*x3 1 + 8\*x3 2 + 9\*x3 3 + 5\*x3 4 + 6\*x3 5 + 4\*x3 6 + 6\*x3 7 + 3\*x3 8 ≤ 20

1. Sprints:

9\*x4 1 + 8\*x4 2 + 9\*x4 3+ 5\*x4 4+ 6\*x4 5 + 4\*x4 6 + 6\*x4 7 + 3\*x4 8 ≤ 10

1. stāsts - R.01: x11 + x21 + x31 + x41 = 1

2. stāsts - R.02: x12 + x22 + x32 + x42 = 1

3. stāsts - R.03: x13 + x23 + x33 + x43 = 1

4. stāsts - R.04: x14 + x24 + x34 + x44 = 1

5. stāsts - R.05: x15 + x25 + x35 + x45 = 1

6. stāsts - R.06: x16 + x26 + x36 + x46 = 1

7. stāsts - R.07: x17 + x27 + x37 + x47 = 1

8. stāsts - R.08: x18 + x28 + x38 + x48 = 1

**Nosacījumi pirmsnorisēm:**

R.08 nevar izpildīt bez R.07

1. Sprints: x18 ≤ x17;
2. Sprints: x28 ≤ x17 + x27;
3. Sprints: x38 ≤ x17 + x27 + x37;
4. Sprints: x48 ≤ x17 + x27 + x37 + x47;

R.07 nevar izpildīt bez R.05, R.06,

1. Sprints: 2\*x17 ≤ x15 + x16;
2. Sprints: 2\*x27 ≤ x15 + x25 + x16 + x26;
3. Sprints: 2\*x37 ≤ x15 + x25 + x35+ x16 + x26 + x36;
4. Sprints: 2\*x47 ≤ x15 + x25 + x35 + x45 + x16 + x26 + x36 + x46

**Nosacījumi korelācijai:**

R.01 korelē ar stāstiem R.02 un R.03

1. Sprints: y11 ≤ x12 + x13

y11 ≤ x11 \* 2

1. Sprints: y21 ≤ x22 + x23

y21 ≤ x21 \* 2

1. Sprints: y31 ≤ x32 + x33

y31 ≤ x31 \* 2

1. Sprints: y41 ≤ x42 + x43

y41 ≤ x41 \* 2

R.02 korelē ar stāstiem R.01 un R.03

1. Sprints: y12 ≤ x11 + x13

y12 ≤ x12 \* 2

1. Sprints: y22 ≤ x21 + x23

y22 ≤ x22 \* 2

1. Sprints: y32 ≤ x31 + x33

y32 ≤ x32 \* 2

1. Sprints: y42 ≤ x41 + x43

y42 ≤ x42 \* 2

R.03 korelē ar stāstu R.01

1. Sprints: y13 ≤ x11

y13 ≤ x13

1. Sprints: y23 ≤ x21

y23 ≤ x23

1. Sprints: y33 ≤ x31

y33 ≤ x33

1. Sprints: y43 ≤ x41

y43 ≤ x43