Варіант 30

|  |  |  |  |
| --- | --- | --- | --- |
| **Артикул тканини** | **Норма витрати тканини (м)на один виріб виду** | | **Загальна кількість тканини (м)** |
|  | **А** | **Б** |  |
| **I** | 7 | 30 | 180 |
| **II** | 30 | 8 | 210 |
| **III** | 10 | 30 | 200 |
| **Ціна одного виробу (грн)** | 90 | 60 |  |



|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **х1** | **х2** | **х3** | **х4** | **х5** | = |  |
| 7 | 30 | 1 | 0 | 0 | = | 180 |
| 30 | 8 | 0 | 1 | 0 | = | 210 |
| 10 | 30 | 0 | 0 | 1 | = | 200 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Базис** | **Сб** | **В** | **х1** | **х2** | **х3** | **х4** | **х5** |  |
| **90** | **60** | **0** | **0** | **0** |  |
| **х3** | 0 | 180 | 7 | 30 | 1 | 0 | 0 | **25,71429** |
| **х4** | 0 | 210 | 30 | 8 | 0 | 1 | 0 | **7** |
| **х5** | 0 | 200 | 10 | 30 | 0 | 0 | 1 | **20** |
| **індексний рядок** |  | 0 | -90 | -60 | 0 | 0 | 0 |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Базис** | **Сб** | **В** | **х1** | **х2** | **х3** | **х4** | **х5** |  |
|  |  |  | **90** | **60** | **0** | **0** | **0** |  |
| **х3** | 0 | 131 | 0 | 28,1333 | 1 | -0,2 | 0 | **4,656398** |
| **х1** | 90 | 7 | 1 | 0,26667 | 0 | 0,03 | 0 | **26,25** |
| **х5** | 0 | 130 | 0 | 27,3333 | 0 | -0,3 | 1 | **4,756098** |
| **індексний рядок** |  | 630 | 0 | -36 | 0 | 3 | 0 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Базис | Сб | В | х1 | х2 | х3 | х4 | х5 |
|  |  |  | 90 | 60 | 0 | 0 | 0 |
| x2 | 60 | 4,6563981 | 0 | 1 | 0,0355 | -0 | 0 |
| х1 | 90 | 5,7582938 | 1 | 0 | -0,009 | 0,04 | 0 |
| х5 | 0 | 2,7251185 | 0 | 0 | -0,972 | -0,1 | 1 |
| індексний рядок |  | 797,63033 | 0 | 0 | 1,2796 | 2,7 | 0 |

Відповідь:

Перевірка

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **x1** | **x2** | **x3** | **x4** | **x5** |
| **x =** | 5,758294 | 4,656398 | 0 | 0 | 2,725118 |
| **I** | 180 | 180 | ИСТИНА |  |  |
| **II** | 210 | 210 | ИСТИНА |  |  |
| **III** | 200 | 200 | ИСТИНА |  |  |
| **F =** | 797,6303 | 797,6303 | ИСТИНА |  |  |