1. Količinafurnirakojadolazinasušenjepopojedinimdebljinama

$$Q=Mlj^{''}∙Pi (m^{3})$$

$$Q\_{1}=12 631,145∙0,2857=3 608,72 m^{3}$$

$$Q\_{2}=12 631,145∙0,1820=2 298,87m^{3}$$

$$Q\_{3}=12 631,145∙0,1428=1 803,73m^{3}$$

$$Q\_{4}=12 631,145∙0,1623=2 050,03m^{3}$$

$$Q\_{5}=12 631,145∙0,2272=2 869,8m^{3}$$

1. Proizvodnostsušaresatrakom

$$E=T∙k\_{1}∙k\_{2}∙k\_{3}∙n∙Ltrč∙s∙\frac{L}{Z} (m^{3}/sm)$$

$$n=e∙f$$

$$n=2∙2=4$$

$$E\_{1}=480∙0,98∙0,92∙0,92∙4∙1,85∙0,0011∙\frac{24}{2,2}=35,35m^{3}/sm$$

$$E\_{2}=480∙0,98∙0,92∙0,92∙4∙1,85∙0,0014∙\frac{24}{4,2}=23,57m^{3}/sm$$

$$E\_{3}=480∙0,98∙0,92∙0,92∙4∙1,85∙0,0022∙\frac{24}{7}=22,22m^{3}/sm$$

$$E\_{4}=480∙0,98∙0,92∙0,92∙4∙1,85∙0,0025∙\frac{24}{8}=22,1m^{3}/sm$$

$$E\_{5}=480∙0,98∙0,92∙0,92∙4∙1,85∙0,0035∙\frac{24}{12,5}=19,8m^{3}/sm$$

1. Potrebanbrojsmenazasušenjepojedinihdebljina

$$n=\frac{Q}{E} (smena/god.)$$

$$n\_{1}=\frac{3 608,72}{35,35}=102,08 (smena/god.)$$

$$n\_{2}=\frac{2 298,87}{23,57}=97,53 (smena/god.)$$

$$n\_{3}=\frac{1 803,73}{22,22}=81,18 (smena/god.)$$

$$n\_{4}=\frac{2 050,03}{22,1}=92,76 (smena/god.)$$

$$n\_{5}=\frac{2 869,8}{19,8}=144,94 (smena/god.)$$

1. Potrebanbrojsušara

$$N=\frac{n\_{1}+n\_{2}+n\_{3}+n\_{4}+n\_{5}}{b∙c} (kom)$$

$$N=\frac{102,08+97,53+81,18+92,76+144,94}{260∙c}$$

$$N=0,997 => 1kom$$