$$\frac{\frac{1}{61} + \frac{1}{62} - 1}{A} = \frac{(5.67 \times 10^{-8})(800^{4} - 500^{4})}{\frac{1}{61} + \frac{1}{62} - 1} = \frac{(5.67 \times 10^{-8})(800^{4} - 500^{4})}{\frac{1}{61} + \frac{1}{62} - 1} = \frac{w_{/m^{2}}}{\frac{1}{61} + \frac{1}{62} - 1}$$

11. of the 9 net 1-2: 9 net 1-2 = 9 net 1-2, nshields = 100 x 9 net 1-2

$$\frac{2A(T_{1}^{4}-T_{2}^{4})}{\left(\frac{1}{\epsilon_{1}}+\frac{1}{\epsilon_{2}}-1\right)+\left(\frac{1}{\epsilon_{3,1}}+\frac{1}{\epsilon_{3,2}}-1\right)\left(\frac{1}{\epsilon_{n,1}}+\frac{1}{\epsilon_{n,2}}-1\right)}{\epsilon_{n,1}}$$

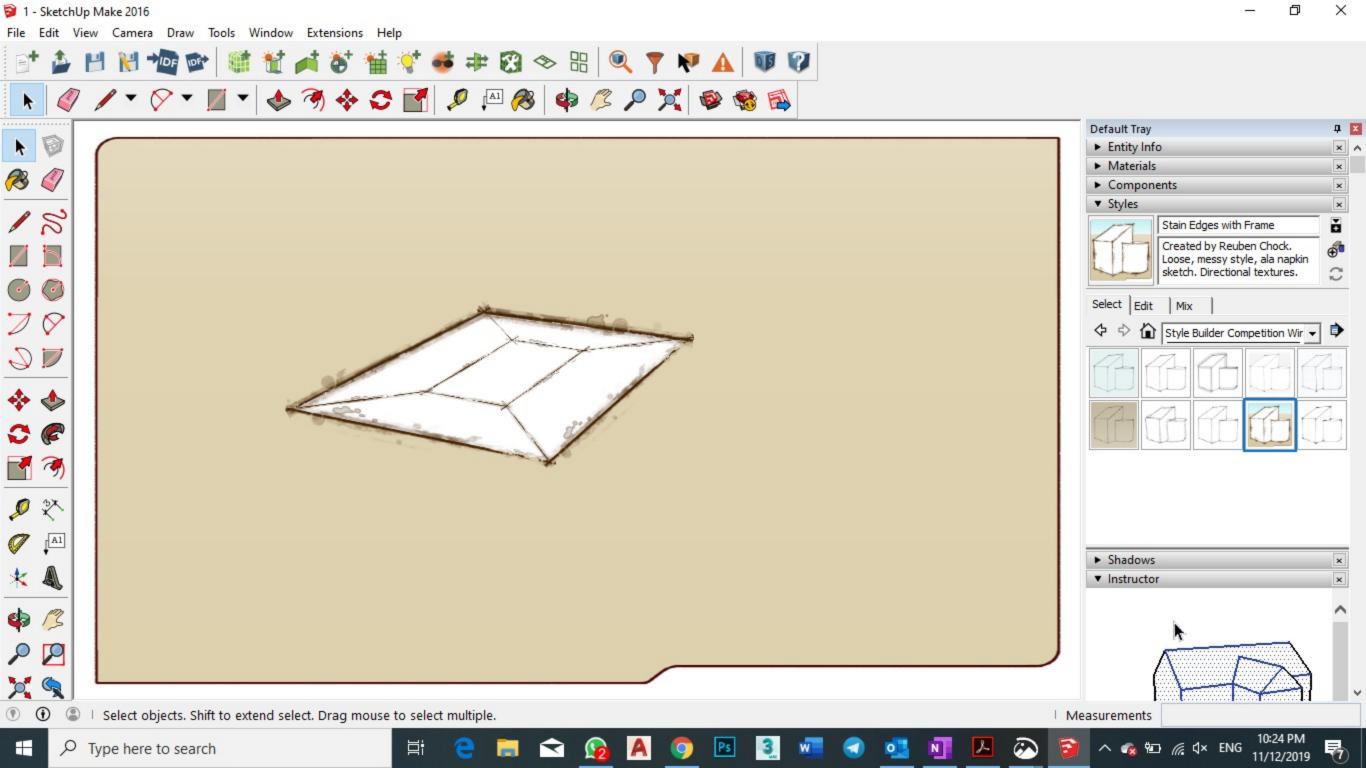
$$\frac{(\frac{1}{61} + \frac{1}{62} - 1) + (\frac{1}{63.1} + \frac{1}{63.2} - 1)(\frac{1}{60.1} + \frac{1}{60.1} - 1)}{(\frac{1}{61} + \frac{1}{62} - 1) + (\frac{1}{63.1} + \frac{1}{63.2} - 1)(\frac{1}{60.1} + \frac{1}{60.1} - 1)}$$

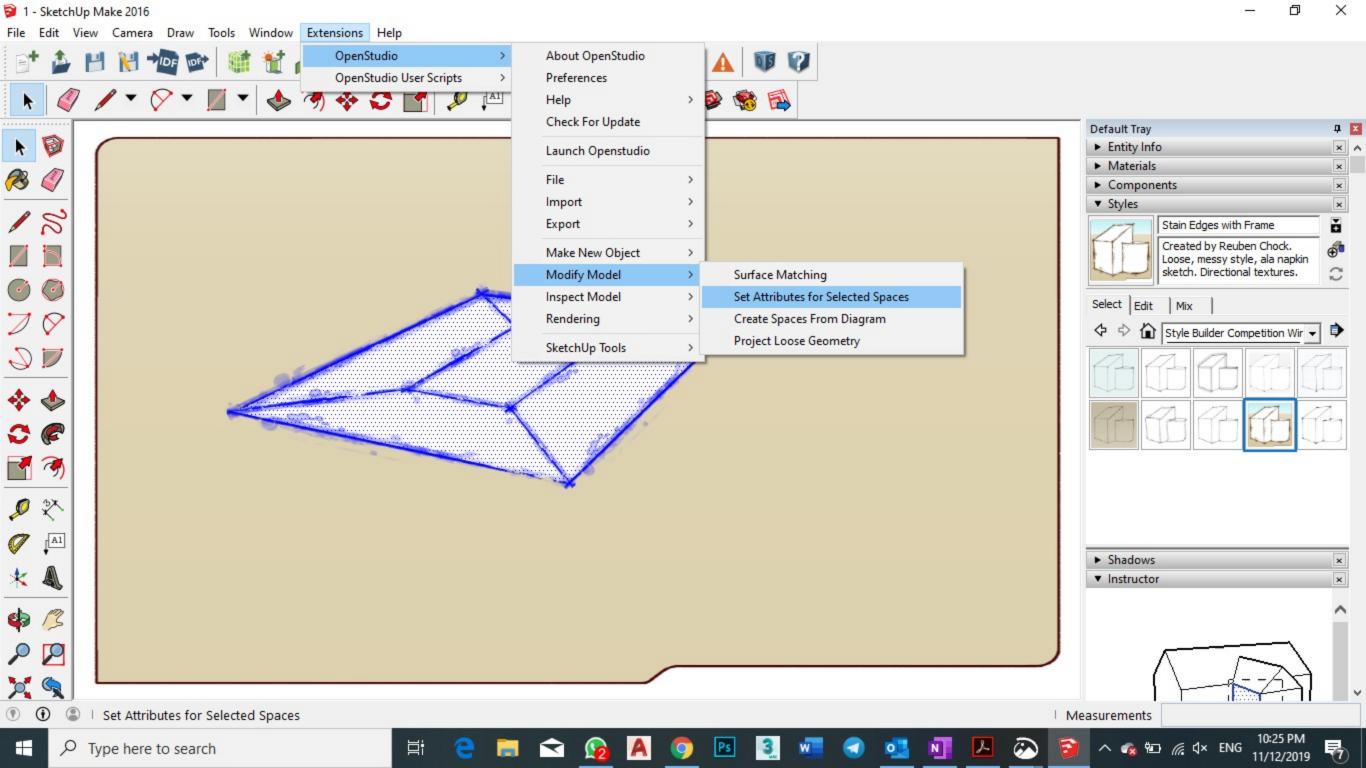
$$\begin{array}{lll}
& \in_{1} = \in_{2} = \in_{3} = \dots = \in_{n} = 0.1 & = 0.1
\end{array}$$

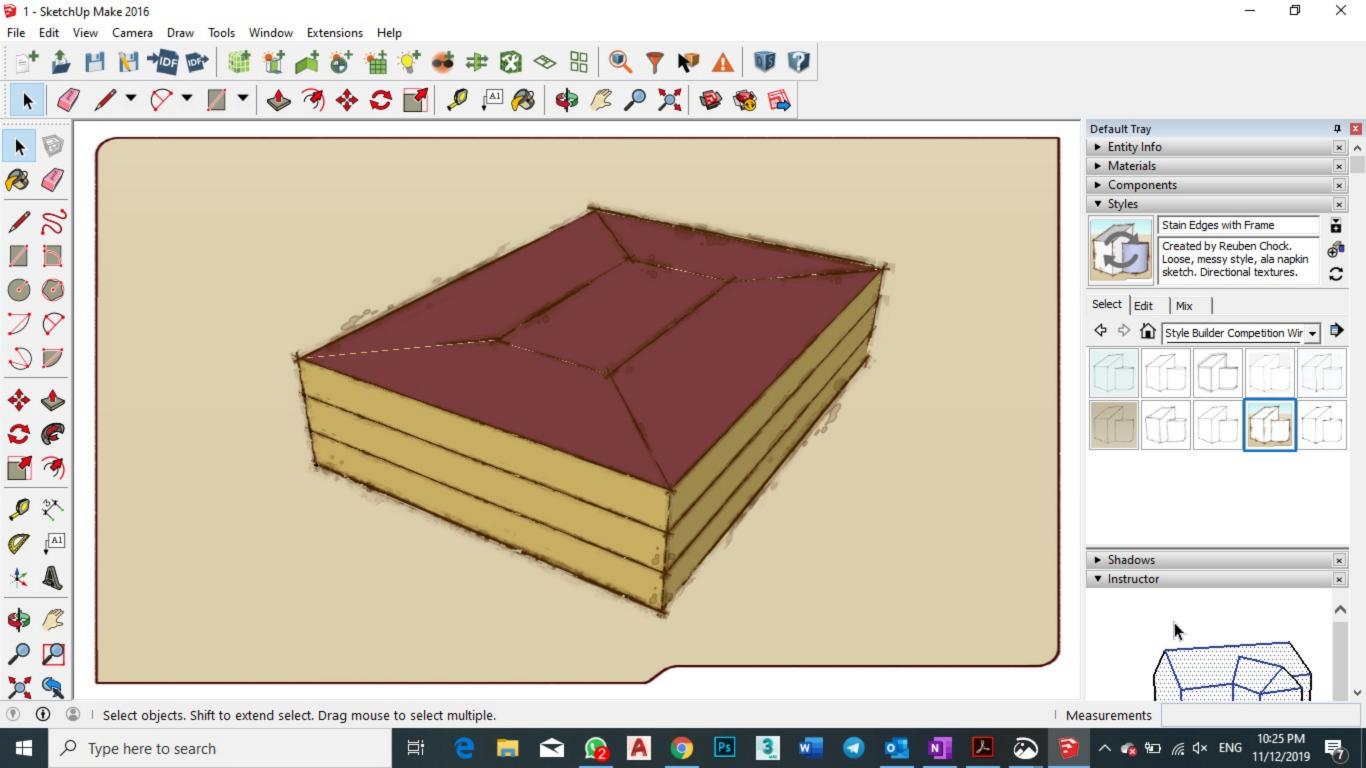
$$\longrightarrow q' net_{1} - 2, n \text{ shields} = \frac{\omega(T_{2}^{q} - T_{1}^{q})}{(n+1)\times(\frac{1}{6}+\frac{1}{6}-1)} = \frac{1}{n+1} \times \frac{\omega(T_{2}^{q} - T_{1}^{q})}{\frac{1}{6}+\frac{1}{6}-1}$$

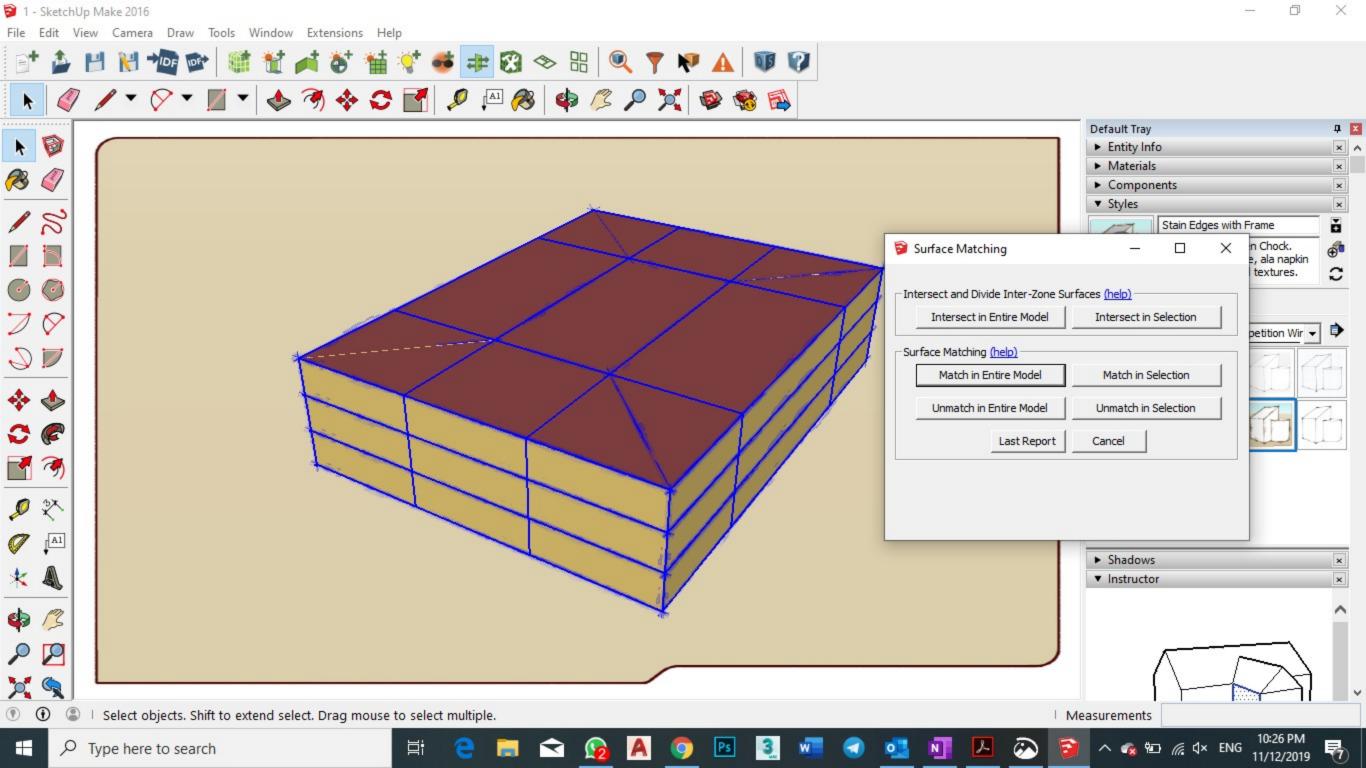
$$\frac{1}{100} \times 9 \times 10^{2} \times \frac{1}{100} \times \frac{1$$

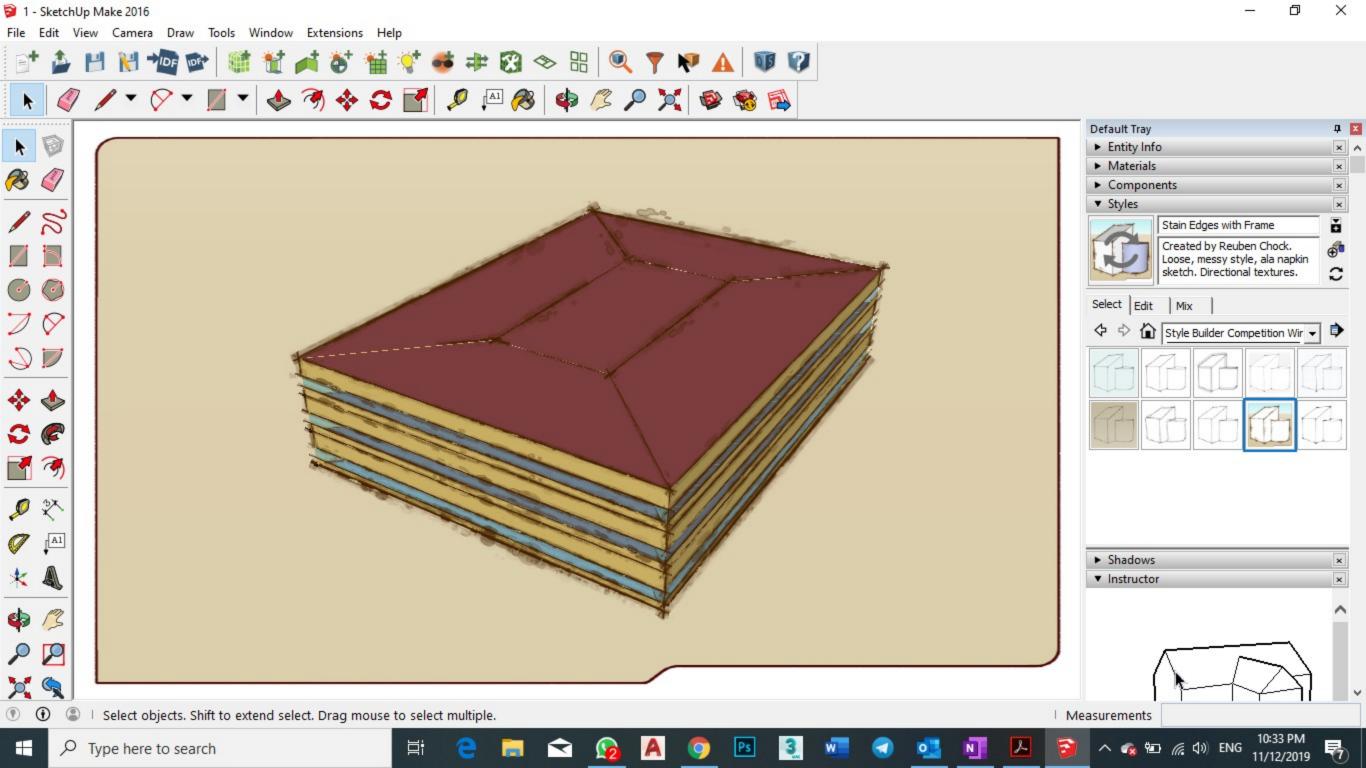
We need 99 shields, which 6=0.1.

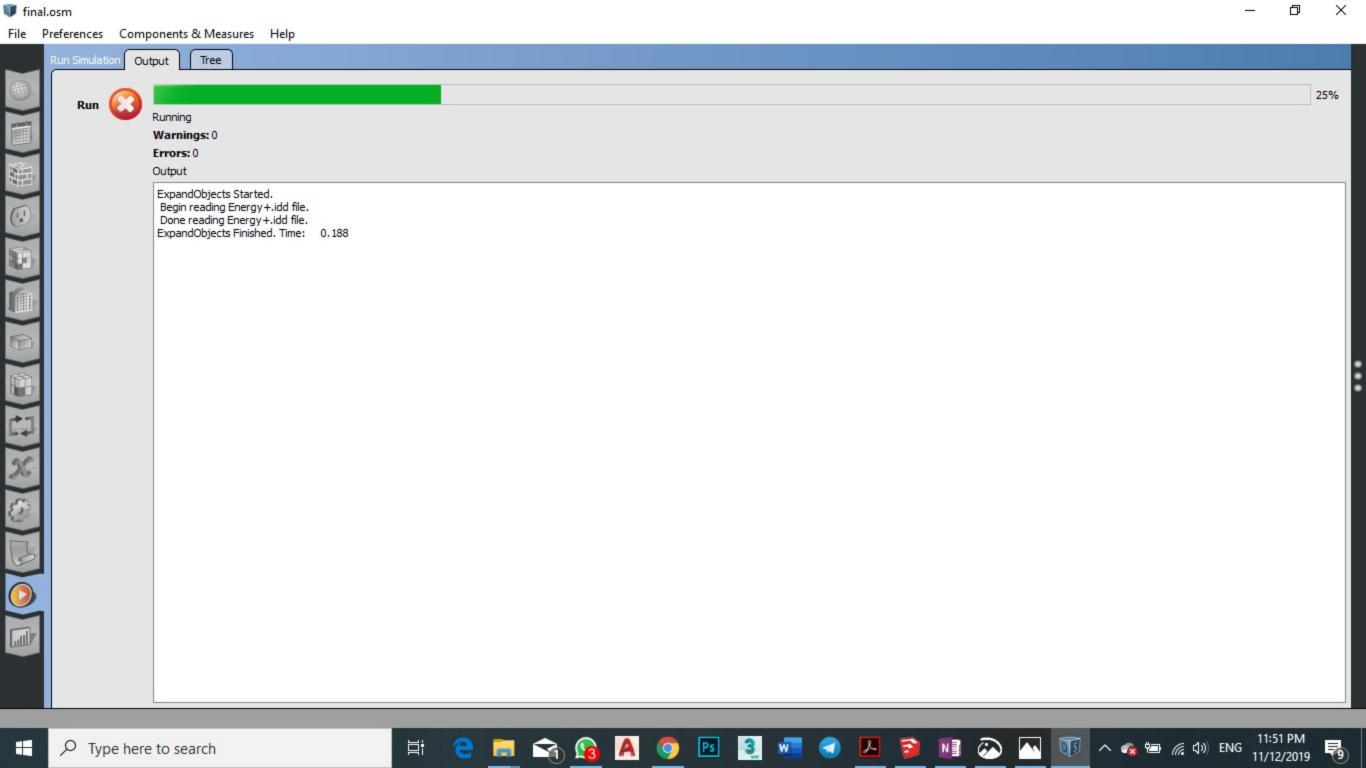












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