

# CONCURSO DA PONTE DE MACARRÃO: 2025

Comissão Organizadora:

Prof. Gustavo Cabrelli Nirschl

Profa. Angélica Paiva Ramos

Prof. Domício Moreira da Silva Júnior

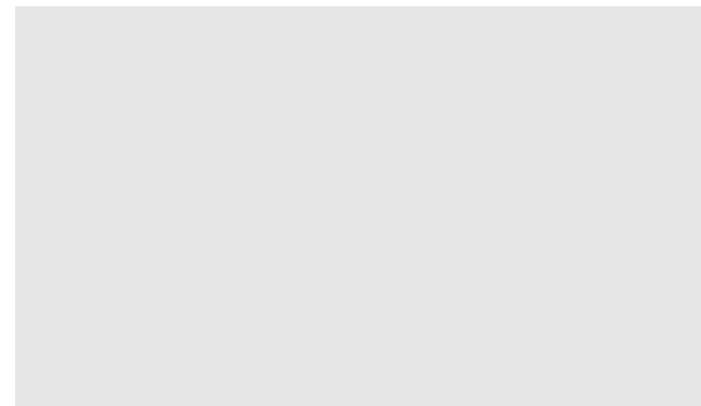


# OBJETIVO

PROJETAR E CRIAR UMA  
TRELIÇA FEITA COM  
MACARRÃO.



VENCE O CONCURSO A EQUIPE QUE MAIS  
APROXIMAR A CARGA DE RUPTURA NO  
LABORATÓRIO DA CARGA MÁXIMA  
PROJETADA (ATENÇÃO: NÃO É A MAIOR  
CARGA DE RUPTURA QUE VENCE!)

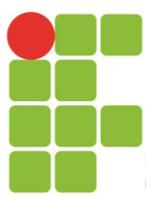




# HISTÓRICO

2012; 2013

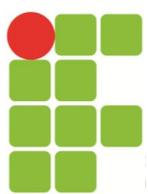




# HISTÓRICO

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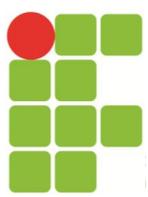




# HISTÓRICO

2012; 2013





# HISTÓRICO

## 2014



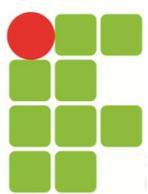


**HISTÓRICO**  
2014

CONCURSO P...			
CARGA TEÓRICA (kg)	20	40	40
COEFICIENTE DE SEGURANÇA (1 a 5)	3	4	3
CARGA DE RUPTURA TEÓRICA (7 a 50 kg)	6,6666667	10	60
PESO ARAQUELO PESADISSIMO (kg) - 20 s	6,385	6,385	6,385
CARGA REAL (kg) - incrementos de 10 s	0	16,385	6,385
CARGA REAL/RUPTURA/FATOR (mais perto de 1 ganha)	0	1,2703651	0,1377122
INDESEMPATE 1 + CARGA REAL/PESO UTIL (menor ganha)	0	0,0189382	0,0079447
INDESEMPATE 2 + maior carga real	0	16,385	6,385



**HISTÓRICO**  
2014

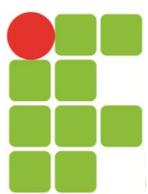


# HISTÓRICO

2016

Separação e corte  
do macarrão



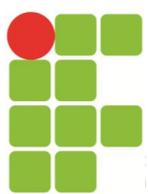


# HISTÓRICO

2016

Colagem dos fios de  
macarrão



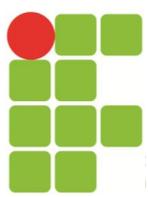


# HISTÓRICO

## 2016

Junção das barras





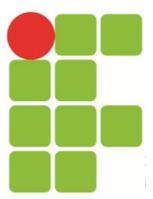
# HISTÓRICO

12

2016

Montagem da ponte

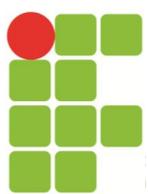




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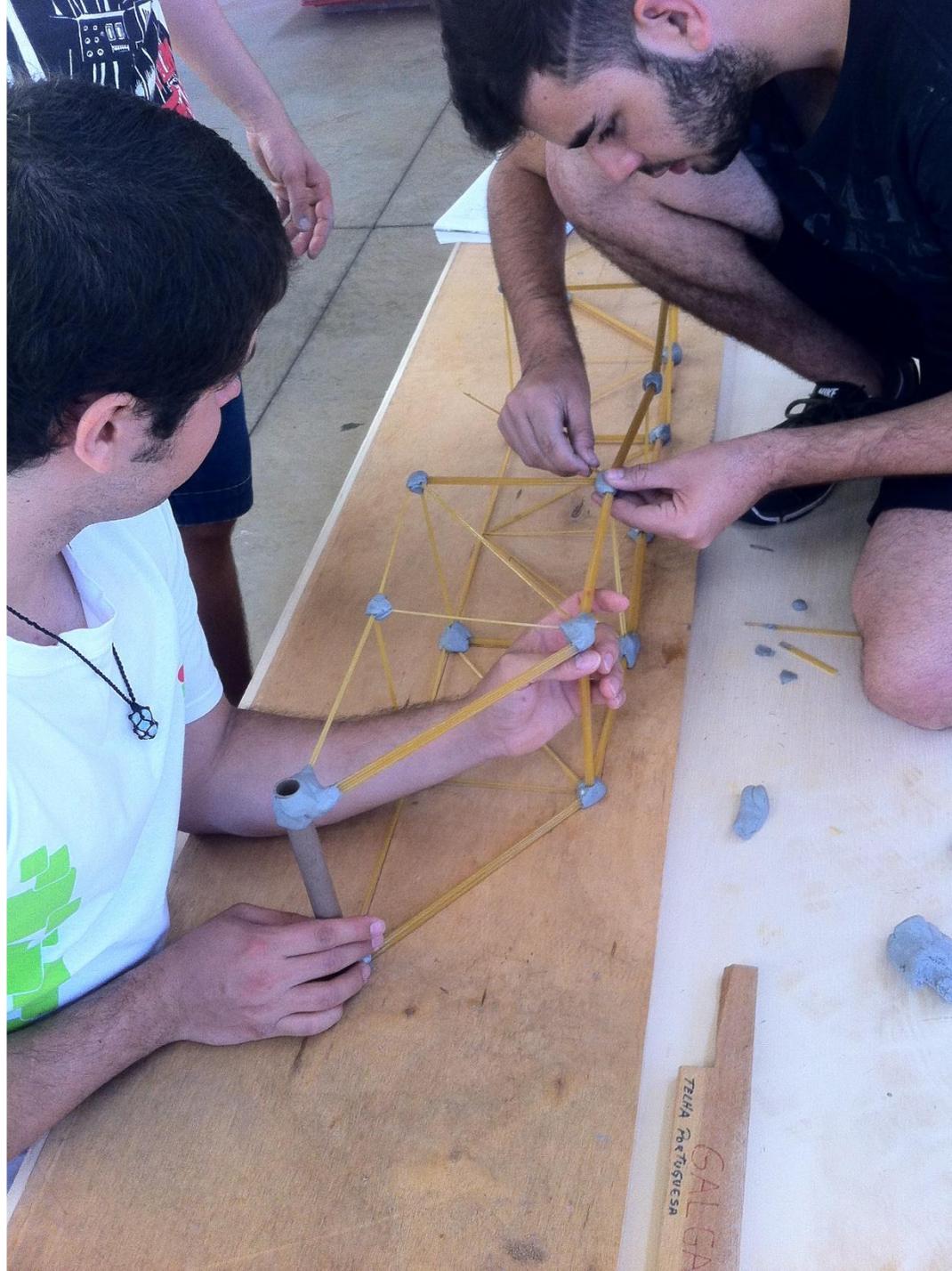
## 2016

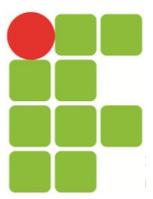




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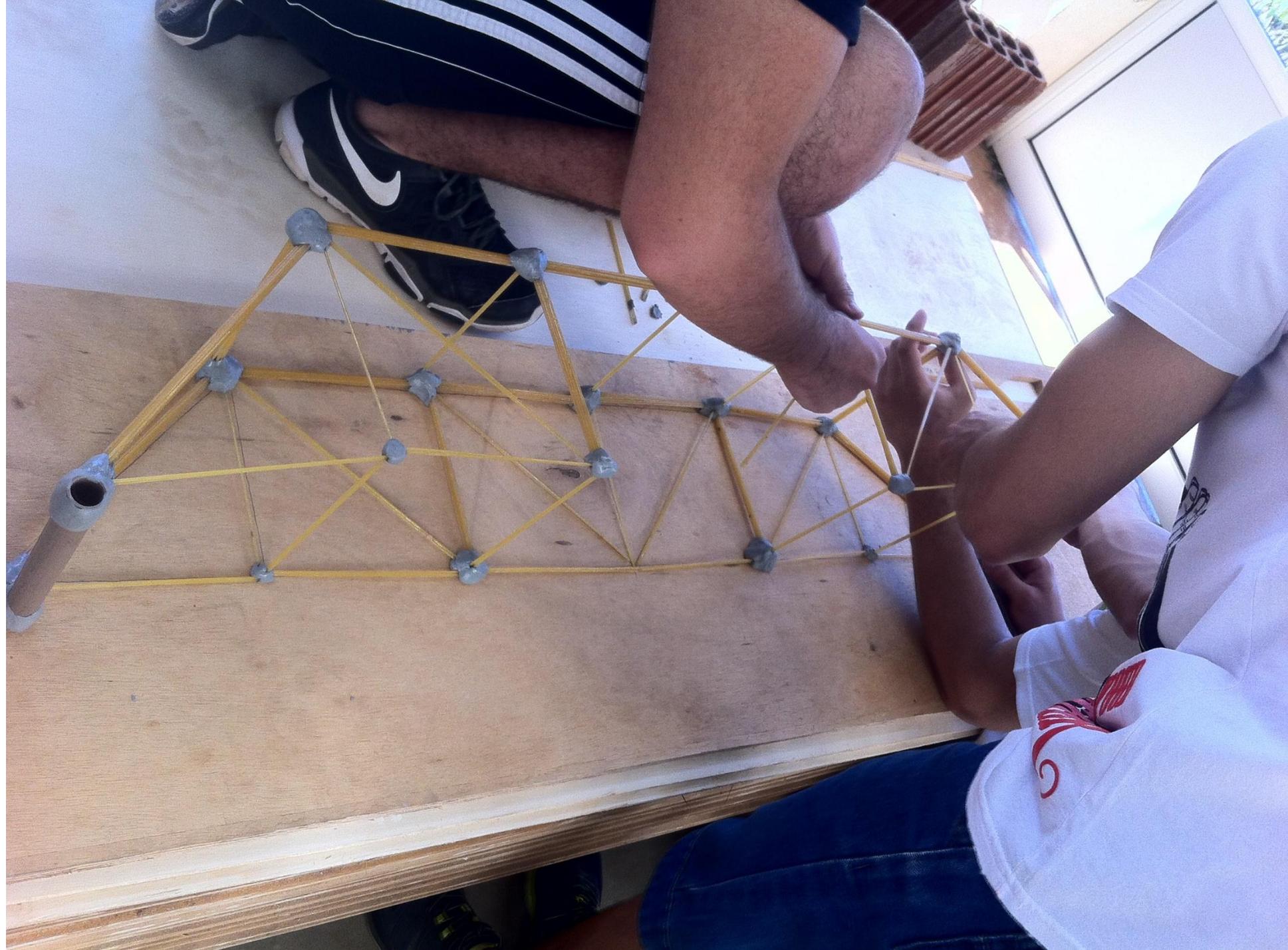
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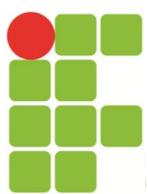




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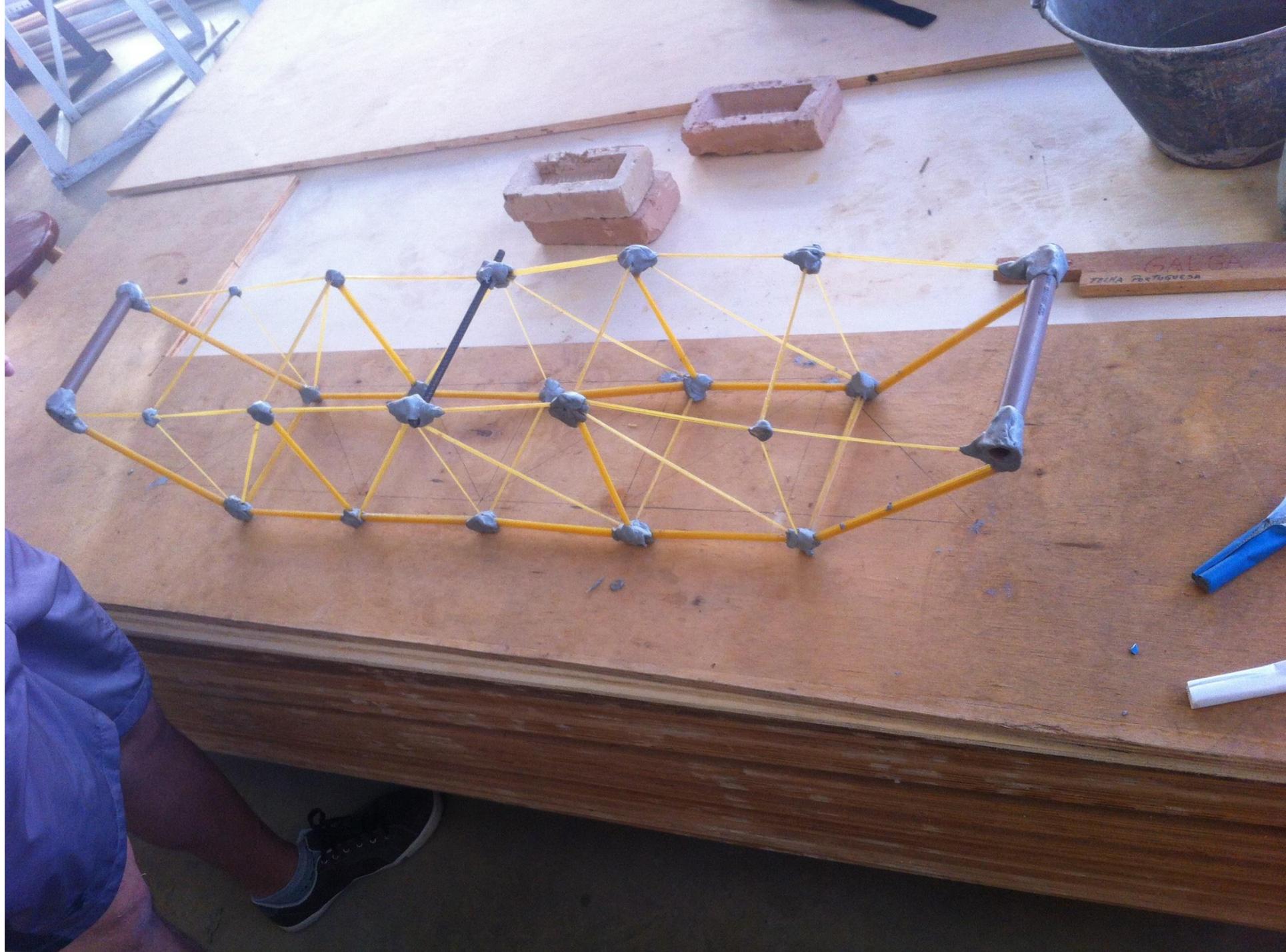
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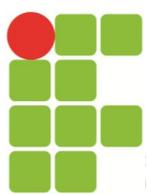




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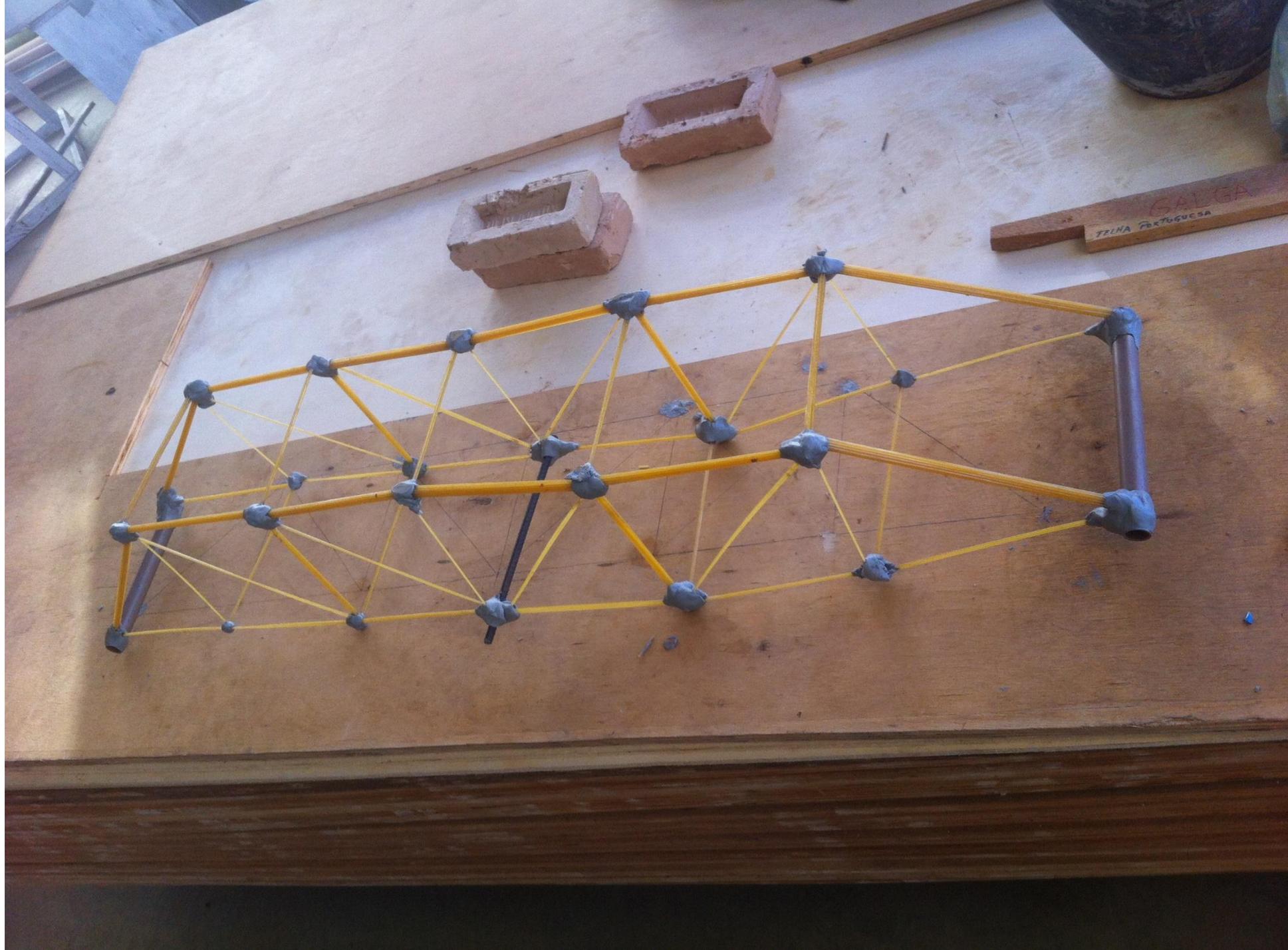
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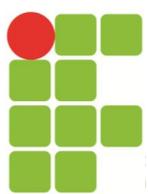




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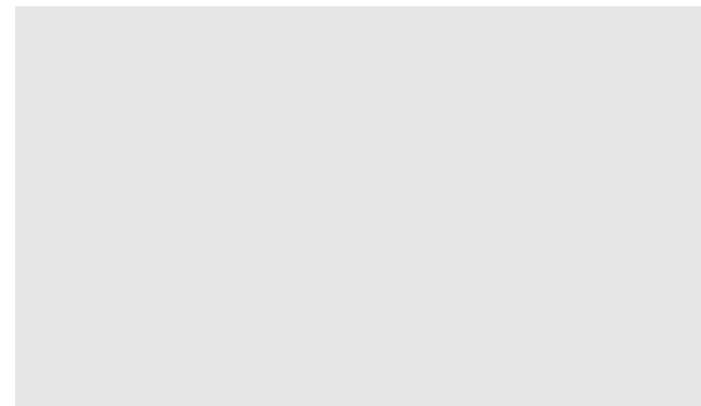


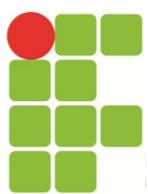


# HISTÓRICO 2023



ASSISTIR AOS VÍDEOS

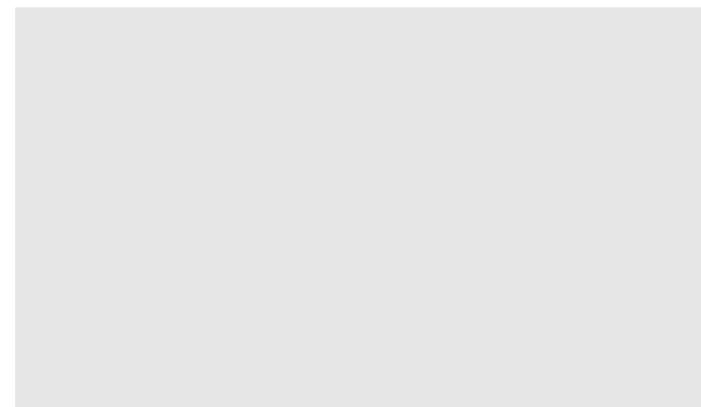




# EDITAL 2025

19

## VER EDITAL

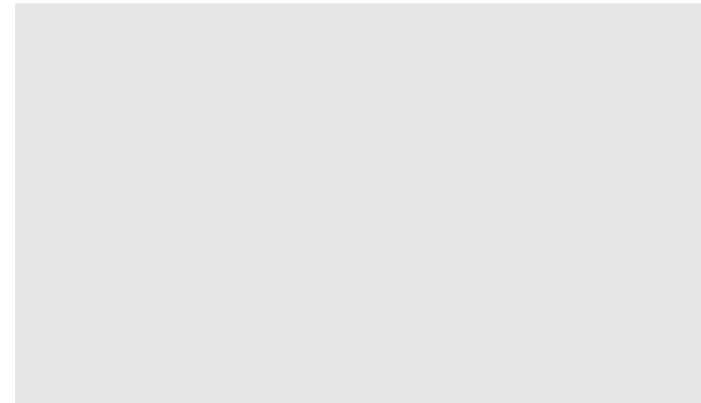




# EXEMPLO DE CÁLCULO

20

VER EXEMPLO DE  
CÁLCULO





# TRELIÇA DE MACARRÃO

**FIM**