

6. Ven: P=8, P=20°, E=100%. W= 1500 Epm. 20 = 157.0975 T=90 15.in

a.
$$F_r = F_t Tan \phi$$
 $f_t = \frac{T}{F_0}$ $f_p = \frac{Np}{2P} = \frac{16}{2(1)} = 1$

- Ft = 90 lbs. Fr. 90 Tan 20° = 32.70 165.

90+ 32.76 = 122.76 165 -> &Mg = (Now)5 - Ra (4) = 0 La Nova Ra = 217/65)

EFy = Nove + RB - R+ = 0

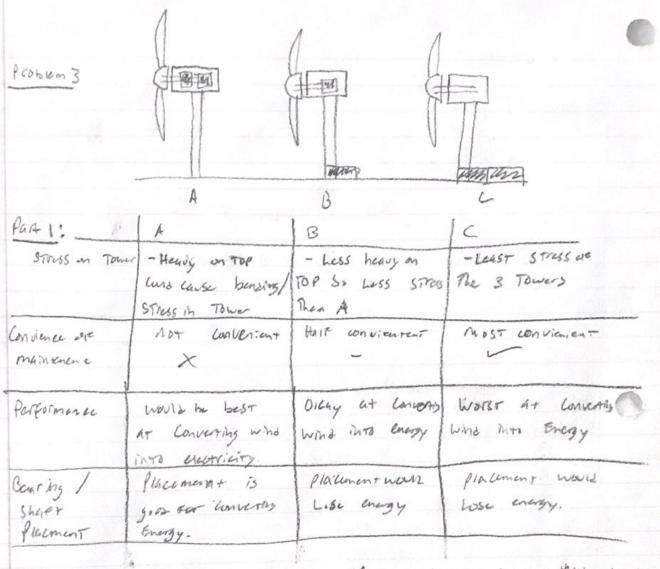
b. now spinning in off. Direction so.

Fr - 90-82. 76 = 57.24 lbs.

N,4 = 12.57.242 = 80,45.

2MB = (Nax)5 - Rx(4) =0 8Fy = Nor + RB = RA =0
[RA = 101.2 145.]
[RB = 20.23 165.]

- L. They are Diffe, ble by he way The year is so TATIZE. Wen spinning conter coccenise in The Force goes against The Forces and Visa - Versa +
- D. The 16 Tees bear wars Pail First because in nove have to go Through more votations Than The OTher goers lausing more wear on The Pass.



part 2: The Load on The Vortical Shaft hould cause this Loading and the bending, Also The rotation of The bledges could cause Torsian.

Part 3: A World be The best thate it looking at Converty wind Energy To electricity.

Find hore / Shaff Limits For a Slizing Fit using Probicm 4 a basic have Size on lin. Sliding Rit >> H7/96 I'm And TOKERALL OF 0.0008 From Chart AND HT. Dmax = 1+ 0.0008 0 1.0008 in Dain = 1-0,0008 = 0.4442 in Shart -> In and Tolerance us 0,0003 From \$6. Omag = 11 in Dmin = 1- 0.0003 in . 0.6497 in Problem 5 Flexible Shart Couplings Product: High-Misarighment Precision Flexible Shar Coupling Part #: 54925 K88

US+: \$ 94.68 cach Description: allows compensation in mis-aligned parts

Rigid Shaff Loupings product: Set Screw Shaft Couping Par+# : 6412K8 lost: \$ 16.05 each

Description: had coupling in flace with screws.

U-John+

product: Singl - U- Johr

Part #: 8284 1672

Lost: \$ 151,15 each

Description: needle bearings allow high Shart speeds

Flexible Sharts

Product: Heavy Dury Flexible Shaff W/ Female & Female Fittings.

PATT # ; 6426 K101

65+: \$ 179.28 each

Descrittion: handles high Torque applications

Shaff adapters

Product: STEP-down Shafe adapter

Par #: 9783T11

Cost: \$ 64.87 cach

Description: reduces Short diameter While STILL increasing Longth.

Torque - Limiting Share coupings

product: Torque - Limiting Louple

PARH: 9132K32

WS+; 8128.25 mch

Description: & STOPS LOGS When To meen Torque ? applied.

Machinable Shaff Ends

Product: 7/84 Diameter Keyer Shafts,

Parts: 3463 Ne1

Cost: & 103.50 each

Description: alons you to Clamp ports To Share

