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function[B] = BasisOfNullTranspose(A)
r = rank(A);
Im = eye(size(A,1));
B = zeros(size(A,1)-r,size(A,1)-r);
C = [A,Im];           %initializes an augmented matrix.
C = rref(C);
P = zeros(size(A,1),size(A,1));    %row reducing C gives a matrix P whose m -
    r rows form a basis for left null space

for i = 1:size(A,1)           %stores P, which is the matrix formed from row
    reducing Im
        for j = 1:size(A,1)
            P(i,j) = C(i,j+size(A,2));
        end
    end
end

for i = 1:size(A,1)           %last m-r rows form a basis of left hand null
    space
        for j = 1:size(A,1)-r
            B(j,i) = P(j+r,i);
        end
    end
end
end

Not enough input arguments.

Error in BasisOfNullTranspose (line 2)
r = rank(A);

```

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