

```
# include <stdio.h>
```

```
# include <stdlib.h>
```

```
int main ()
```

```
{
```

```
int i,j,k,m,dim,tronco;
```

```
char c;
```

```
c=92;
```

```
do {
```

```
printf ("Dime la dimension de tu arbol de navidad \n(un entero comprendido entre 3 y 30): ");
```

```
scanf ("%d",&dim);} 
```

```
while (dim<3 || dim>30);
```

```
for (i=0,j=dim;i<dim;i++,j--)
```

```
{
```

```
for(k=0;k<j;k++)
```

```
printf(" ");
```

```
for(m=dim;m>=j;m--)
```

```
{
```

```
printf("/");
```

```
printf ("%c",c);
```

```
}
```

```
printf ("\n");  
}  
tronco=(dim-dim%3)/3;  
  
for(j=1;j<=tronco;j++)  
{  
    for(i=1;i<dim;i++)  
        printf(" ");  
    printf("| |\n");  
}  
system ("pause");  
  
return 0;  
}
```