

```
public String divide (String s)
```

```
{ int i, j
```

```
String div = "10001000000100001";
```

```
for (i=0; i<n; i++)
```

```
{ char c = s.charAt(i);
```

```
for (j=0; j<17; j++)
```

```
{ if (c == '1')
```

```
{ if (s.charAt(i+j) != div.charAt(j))
```

```
s = s.substring(0, i+j) + "1" + s.substring(i+j+1);
```

```
else s = s.substring(0, i+j) + "0" + s.substring(i+j+1);
```

```
}
```

```
}
```

```
}
```

```
return s;
```

```
}
```