If you're like me, finding the right size t-shirt can sometimes be a challenge. What size am I? What's the difference between S (small), M (medium), and L (large)? I usually wear L, but what if I need an XL (extra large)?

Thankfully, our friends at [Teespring](https://teespring.com/" \t "_blank) have got us covered because they've created a sizing chart to make things a lot easier.

| **Size** | **Width** | **Length** | **Sleeve** |
| --- | --- | --- | --- |
| S | 18" | 28" | 8.13" |
| M | 20" | 29" | 8.38" |
| L | 22" | 30" | 8.63" |
| XL | 24" | 31" | 8.88" |
| 2XL | 26" | 33" | 9.63" |
| 3XL | 28" | 34" | 10.13" |

\_T-Shirt Sizing Chart (Source: Teespring.com) \_

**Directions:**

Use the sizing chart above, create a series of logical expressions that prints the **size** of a t-shirt based on the measurements of shirtWidth, shirtLength, and shirtSleeve. Valid sizes include S, M, L, XL, 2XL, and 3XL.

For example, if...

**var** shirtWidth = 23; *// size L (large)*

**var** shirtLength = 30; *// size L (large)*

**var** shirtSleeve = 8.71; *// size L (large)*

Then print L to the console.

**Hint:** *You will need to compare a range of values when checking for shirtWidth, shirtLength, and shirtSleeve. For example, if the shirt's****width****is at least****20"****, but no more than****22"****, then the t-shirt should be****medium (M)****— as long as the other values for the shirt's****length****and****sleeve****measurements match up.*

If shirtWidth, shirtLength, and shirtSleeve don't fit within the range of acceptable values for a specific **size**, then print NA to the console. For example, if...

**var** shirtWidth = 18; *// size S (small)*

**var** shirtLength = 29; *// size M (medium)*

**var** shirtSleeve = 8.47; *// size M (medium)*

Then print N/A to the console because the measurements don't all match up with one particular size.

***TIP:****Make sure to test your code with different values. For example,  
  
If shirtWidth equals 19, shirtLength equals 28 and shirtSleeve equals 8.21, then S should be printed to the console.  
If shirtWidth equals 26, shirtLength equals 33 and shirtSleeve equals 9.63, then 2XL should be printed to the console.  
If shirtWidth equals 18, shirtLength equals 29 and shirtSleeve equals 8.47, then NA should be printed to the console.*

// change the values of `shirtWidth`, `shirtLength`, and `shirtSleeve` to test your code

var shirtWidth = 23;

var shirtLength = 30;

var shirtSleeve = 8.71;

// WRITE YOUR CODE HERE

var size = "NA";

if ((shirtWidth>=18 && shirtWidth<20) && (shirtLength>=28 && shirtLength<29) && (shirtSleeve>=8.13 && shirtSleeve<8.38) ) {

size = "S";

}

else if ((shirtWidth>=20 && shirtWidth<22) && (shirtLength>=29 && shirtLength<30) && (shirtSleeve>=8.38 && shirtSleeve<8.63) ) {

size = "M";

}

else if ((shirtWidth>=22 && shirtWidth<24) && (shirtLength>=30 && shirtLength<31) && (shirtSleeve>=8.63 && shirtSleeve<8.88) ) {

size = "L";

}

else if ((shirtWidth>=24 && shirtWidth<26) && (shirtLength>=31 && shirtLength<33) && (shirtSleeve>=8.88 && shirtSleeve<9.63) ) {

size = "XL";

}

else if ((shirtWidth>=26 && shirtWidth<28) && (shirtLength>=33 && shirtLength<34) && (shirtSleeve>=9.63 && shirtSleeve<10.13) ) {

size = "2XL";

}

else if ((shirtWidth>=28) && (shirtLength>=34) && (shirtSleeve>=10.13) ) {

size = "3XL";

}

else {

size = "NA";

}

console.log(size);