

$$(\underline{564})_8 = (\underline{101110100})_2$$

abtod

$$(\overset{\text{dec}}{372})_{10} \xrightarrow{\text{dtob}} (\underline{101110100})_2$$

```
int dn = anyBaseToAnyBase(n, sourceBase, destBase);
System.out.println(dn);
}

public static int anyBaseToAnyBase(int n, int sb, int db){
    int dec = anyBaseToDecimal(n, sb); // source base to decimal
    int ans = decimalToAnyBase(dec, db); // decimal to dest base
    return ans;
}
```

$(101110100)_2$

$$15 = 10 + 5$$

1	1	1	1	
		5	7	6 ✓
9	9	9	9 ✓	

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<del>10</del>	<del>15</del>	<del>17</del>	<del>15</del>	
1	0	5	7	5