

```
1 trait Calculate {  
2     type Error: From<i32>;  
3  
4     fn calculate(&self, b: i32) -> Result<i32, Self::Error> {  
5         let a = self.a();  
6  
7         if a >= b {  
8             Ok(a - b)  
9         } else {  
10             Err(From::from(a + b))  
11         }  
12     }  
13  
14     fn a(&self) -> i32;  
15 }
```

```
17 #[derive(Debug)]
18 pub struct MyError(i32);
19
20 impl From<i32> for MyError {
21     fn from(number: i32) -> MyError {
22         MyError(number)
23     }
24 }
25
26 struct Foo(i32);
27
28 impl Calculate for Foo {
29     type Error = MyError;
30
31     fn a(&self) -> i32 {
32         self.0
33     }
34 }
35
36 fn main() {
37     let foo = Foo(10);
38
39     println!("{:?}", foo.calculate(3));
40     println!("{:?}", foo.calculate(13));
41 }
```

Ok(7)

Err(MyError(23))