```
> fe11_1 := p^2:
> fe11_2 := p^3:
> fle11_1 := p^4:
> fle11_2 := p:
> for appm in ["fe", "fle"] do;
    for i in ["11_1", "11_2"] do;
      sp := evalf(int(appm||i, p = 1 .. 11/3)) + evalf(int(appm||i, p = 11/3 .. 19/3))
      + evalf(int(appm||i, p = 19/3 ..9));
      print(appm||i, sp);
    od;
  od;
```

appm11_1, 8.000000001 appm11_1
appm11_2, 8.000000001 appm11_2
appm11_1, 8.000000001 appm11_1
appm11_2, 8.000000001 appm11_2 **(1)**

```
> # Expected output
> evalf(int(fe11_1, p = 1 .. 11/3)) + evalf(int(fe11_1, p = 11/3 .. 19/3)) + evalf(int(fe11_1, p
    = 19/3 ..9))
```

242.6666667 **(2)**

```
> evalf(int(fe11_2, p = 1 .. 11/3)) + evalf(int(fe11_2, p = 11/3 .. 19/3)) + evalf(int(fe11_2, p
    = 19/3 ..9))
```

1640.000000 **(3)**

```
> evalf(int(fle11_1, p = 1 .. 11/3)) + evalf(int(fle11_1, p = 11/3 .. 19/3)) + evalf(int(fle11_1,
    p = 19/3 ..9))
```

11809.60000 **(4)**

```
> evalf(int(fle11_2, p = 1 .. 11/3)) + evalf(int(fle11_2, p = 11/3 .. 19/3)) + evalf(int(fle11_2,
    p = 19/3 ..9))
```

39.99999999 **(5)**

```
>
```