Task 1

1. `)CLEAR` to clear your workspace

2. `)SAVE` your workspace with a workspace ID like **tasks6_your_name.dws**

Task 2

Eliminate the inline assignment by rewriting the following single-line dfns as a multi-line dfn:

```
Bayes←{prod÷+/prod←⍺×⍵}
```

Task 3

Make this dfn into the equivalent tradfn:

```
OR←{ ⍺ Probabilistic OR
     p←1-⍺
     q←1-⍵
     1-p×q
}
```

Task 4

Create the following tradfn:

```
r←Anagram b;Norm
r←(Norm a)≡(Norm b)
```

Create the following dfn:

```
Norm←{⍵[⍋⍵]~' '}
```

The `Anagram` function has two bugs preventing it from working. Fix them so the following expressions work:

```
      'ELEVEN PLUS TWO' Anagram 'TWELVE PLUS ONE'
1
      'ELEVEN PLUS TWO' Anagram 'TEN PLUS THREE'
0
```

Task 5

The Fibonacci sequence is formed as follows:

$$F(0) = 0,$$
$$F(1) = 1,$$
$$F(n) = F(n-1) + F(n-2)$$

Define `F_d` as a Fibonacci dfn:

```
      F_d¨⍳10
1 1 2 3 5 8 13 21 34 55
```

Define `F_t` as a Fibonacci tradfn:

```
      F_t¨⍳10
1 1 2 3 5 8 13 21 34 55
```

Task 6

Don't worry about how it works for now, but execute the following:

```
]FX]A
```

This creates a function named `A` which has 26 lines.

Create the function `SetStopsA` which should take a list of line numbers as argument, and set stops on those lines for the function `A`. Your function should not return a result.

```
      SetStopsA 3 1 4 15
      ]STOP 'A'
1 3 4 15
```

Task 7

Create the function `clearStopsA` which should not take any arguments, nor return a result. However, it should clear all the stop bits from the function `A`.

```
      clearStopsA
      ⍴⍴STOP 'A'
0
```

Submit Your Workspace

Save your workspace, with a name like:
tasks6_your_name.dws

Email to workshops@dyalog.com with a subject like:
Tasks 6 Your Name