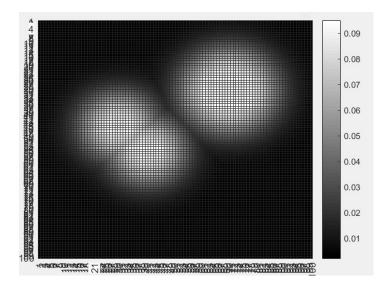
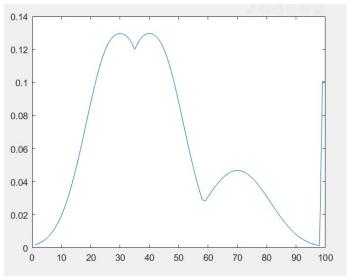
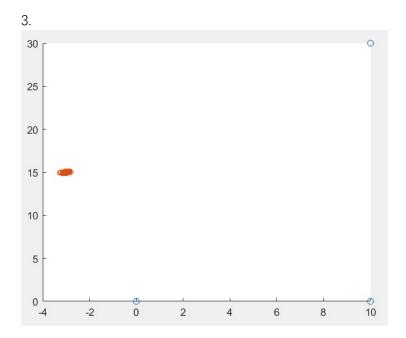


2.







4. Use "fmincon" try to maximum EA

```
function q=ea(a)
        q=1;
                                                                                 -6.8262e+04
        for ii=1:length(x)
            \mathtt{q=(a(1)*P\_hit(x(ii))+a(2)*P\_unexp(x(ii))+a(3)*P\_rand(x(ii))+a(3))}
                                                                                 -6.8262e+04
        q=-q*1e20;
                                                                                 -6.8262e+04
        disp(q)
    end
                                                                                 -6. 8262e+04
96 [
options = optimoptions('fmincon', 'Algorithm', 'sqp', 'OptimalityToler
problem. options = options;
                                                                               Local minimum found that satisfies the constra
problem.solver = 'fmincon';
problem. objective = @ea;
                                                                               Optimization completed because the objective f
problem. x0 = [.72 .18 .05 .05];
                                                                               feasible directions, to within the default val
96}
                                                                               and constraints are satisfied to within the de
% [a1, a2, a3, a4] =dea1(0.5, 0.3, 0.18, .02);
solution=fmincon(@ea, [.72 .18 .05 .05], A, b, [], [], [0 0 0 0], [1
                                                                               stopping criteria details>
%solution=fmincon(problem);
disp(solution);
                                                                                   0.6428
                                                                                            0.3420 0.1152 0.0000
end
                                                                          f_{x} >>
```