* Dilip on use cases
 + Hierarchical collapsed functions for deciding on placement
 + Mobility-aware VNF placement
 + Q (Sana): We have working on similar matters (presented at ONF recently). Is
 there any study identifying the KPIs applcicable to NFV so decisions can be taken on
 then
   - R: We are looking at a microservice-enabled architecture for this.
 + Q (Parviz Yegani): What about IoT devices?
   - R: An aggregation point in the network could optimize the scheduling for all these
   devices, and this point would be a VNF

* Ramki on behalf of Shastri on the model-driven optimization concepts
 + Intro to the ONAP E2E reference architecture
 + Different goals and mechanisms for centralized and edge resource management
 + Q (Diego): Mention to the presentation made on CogNet at the latest NMRG meeting
 (https://datatracker.ietf.org/meeting/100/materials/slides-100-nmrg-sessa-the-cognet-report-addressing-data-enabled-network-management-01)
 This can be considered as an implementation of these mechanisms, not following the OOF
 architecture
 + Q (Sana): What about the connection between OOF and Acumos?
   - R: They are separate efforts for now, but worth exploring
 + Q (Nina): How would you generate the data for training
   - R: We need operational data
   - R (Diego): Mention the Telefonica initiative around the Mouseworld (see again
   https://datatracker.ietf.org/meeting/100/materials/slides-100-nmrg-sessa-the-cognet-report-addressing-data-enabled-network-management-01
 + Q (Sidam): Any data or KPI related to the edge
   - R: There is a really interesting challenge

* Nina on constraint solvers and learning mechanisms
 + Size of the problem is not a good measure of practical hardness
 + Choice of the formal model and the modeling language is essential (inference vs
 search capability)
 + Solvers able to learn by adding constraints derived from backtracking
 + Q (Ramki): Tradeoff between performance and the number of constratints
   - R: When you hit performance issues you have to dig on it
 + Q (Diego): The idea of integrating solvers (local) and metasolvers (top level). Does
 it makes sense?
   - R: There are the so-called portfolio solvers, which decide the most appropriate
   solver for a particular combination of data and constraints

* Siamak on constraint-based optimal routing
 + Routing algorithms with different goals as SDN applications
 + SCOR: a new NBI for SDN-enabled routing able to address practically any network
 optimization concept currently proposed in literature
 + SCOR models evaluated as ONOS applications
 + Q (Ramki): Do we have any performance numbers on this?
   - R: I have quite a few measurements in different topologies, and they are quite
   promising
 + Q (Ramki): What is the platform you are running on?
   - R: VMs running on normal machines w 16 GB RAM, nothing exotic
 + Q (Sarah): It would be interesting to see this applied to QUIC flow management
   - R (Ramki): This solution is very much focused on inter-DC flows, not necessarily in

the case of micro-flows